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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	3	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	4	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	5	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	6	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	7	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	8	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	9	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	10	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	11	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	12	JUN 25	CA/CAPLUS and USPAT databases updated with IPC reclassification data
NEWS	13	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	14	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS	15	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS	16	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS	17	JUL 28	CA/CAPLUS patent coverage enhanced
NEWS	18	JUL 28	EPFULL enhanced with additional legal status information from the epline Register
NEWS	19	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS	20	JUL 28	STN Viewer performance improved
NEWS	21	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS	22	AUG 13	CA/CAPLUS enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS	23	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	24	AUG 15	CAPLUS currency for Korean patents enhanced
NEWS	25	AUG 25	CA/CAPLUS, CASREACT, and IFI and USPAT databases enhanced for more flexible patent number searching
NEWS	26	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS LOGIN      Welcome Banner and News Items  
NEWS IPC8        For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:46:26 ON 17 SEP 2008

=> fil reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:46:45 ON 17 SEP 2008  
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STRUCTURE FILE UPDATES: 16 SEP 2008 HIGHEST RN 1049663-83-3  
DICTIONARY FILE UPDATES: 16 SEP 2008 HIGHEST RN 1049663-83-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> fil reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.46	0.67

FILE 'REGISTRY' ENTERED AT 16:46:57 ON 17 SEP 2008  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 SEP 2008 HIGHEST RN 1049663-83-3  
DICTIONARY FILE UPDATES: 16 SEP 2008 HIGHEST RN 1049663-83-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

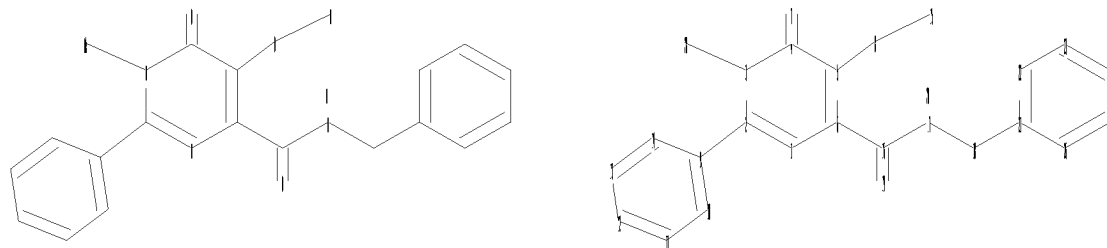
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REGISTRY includes numerically searchable data for experimental and  
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on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10585504.str



chain nodes :  
7 8 15 16 17 18 19 20 28  
ring nodes :  
1 2 3 4 5 6 9 10 11 12 13 14 21 22 23 24 25 26  
chain bonds :  
2-9 3-28 4-7 5-8 6-16 8-15 16-17 16-19 17-18 17-20 18-21  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14 21-22 21-26  
22-23 23-24 24-25 25-26  
exact/norm bonds :  
3-28 4-7 5-8 16-17 16-19 17-18  
exact bonds :  
1-2 1-6 2-3 2-9 3-4 4-5 5-6 6-16 8-15 17-20 18-21  
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isolated ring systems :  
containing 9 : 21 :

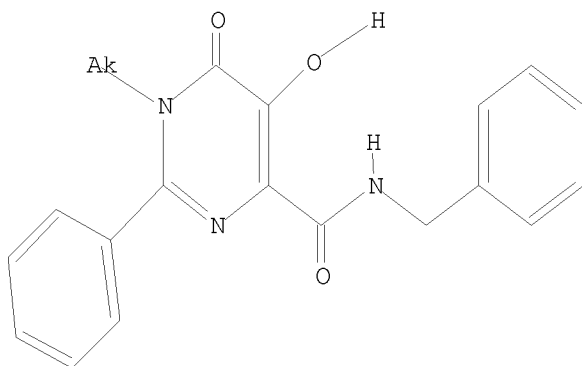
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1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS  
19:CLASS 20:CLASS 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 28:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 16:47:23 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 28 TO ITERATE

100.0% PROCESSED 28 ITERATIONS

7 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 243 TO 877

PROJECTED ANSWERS: 7 TO 298

L2 7 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 16:47:32 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 492 TO ITERATE

100.0% PROCESSED 492 ITERATIONS

106 ANSWERS

SEARCH TIME: 00.00.01

L3 106 SEA SSS FUL L1

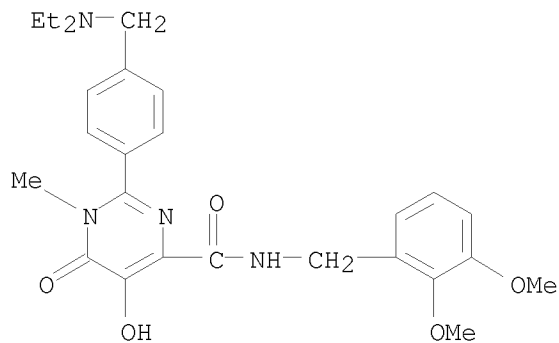
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L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

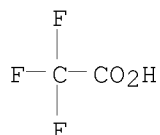
IN 4-Pyrimidinecarboxamide, 2-[4-[(diethylamino)methyl]phenyl]-N-[(2,3-dimethoxyphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-, 2,2,2-trifluoroacetate (1:1)

MF C26 H32 N4 O5 . C2 H F3 O2

CM 1



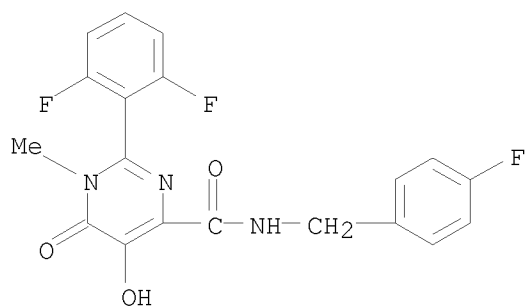
CM 2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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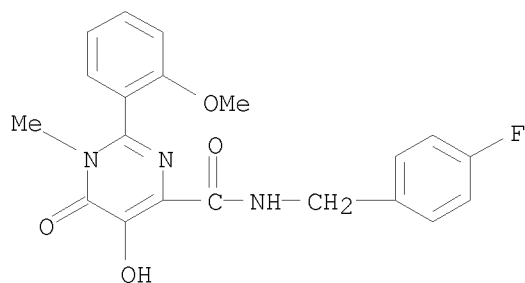
L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, 2-(2,6-difluorophenyl)-N-[(4-fluorophenyl)methyl]-  
 1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 MF C19 H14 F3 N3 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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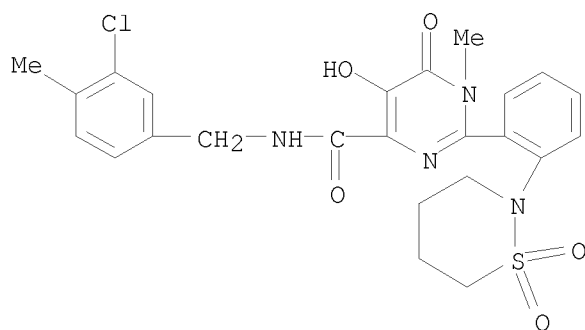
L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-  
 2-(2-methoxyphenyl)-1-methyl-6-oxo-  
 MF C20 H18 F N3 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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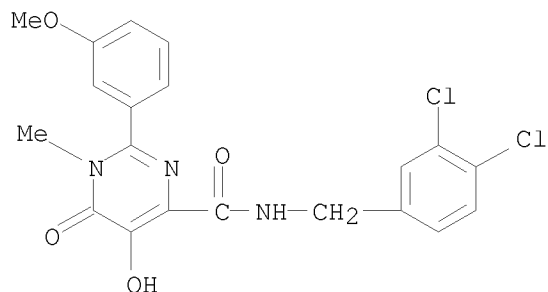
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L3      106 ANSWERS      REGISTRY  COPYRIGHT 2008 ACS on STN
IN      4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-1,6-dihydro-5-
        hydroxy-1-methyl-6-oxo-2-[2-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-
        yl)phenyl]-
MF      C24 H25 Cl N4 O5 S
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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-1,6-dihydro-5-  
hydroxy-2-(3-methoxyphenyl)-1-methyl-6-oxo-  
MF C20 H17 Cl2 N3 O4

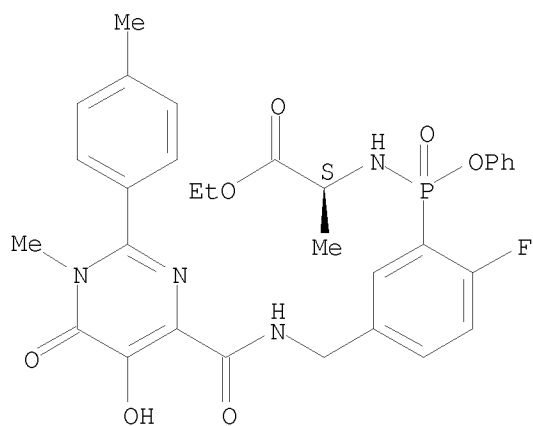


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN L-Alanine, N-[[5-[[[1,6-dihydro-5-hydroxy-1-methyl-2-(4-methylphenyl)-6-oxo-4-pyrimidinyl]carbonyl]amino]methyl]-2-fluorophenyl]phenoxyphosphinyl]-  
 , ethyl ester  
 MF C31 H32 F N4 O7 P

Absolute stereochemistry.

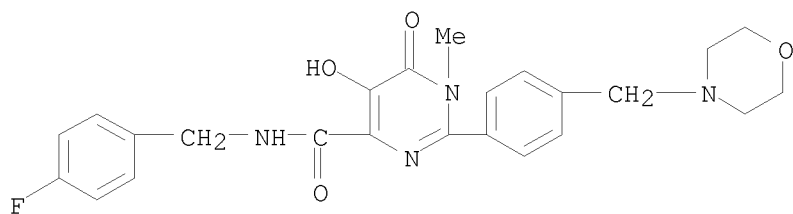


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

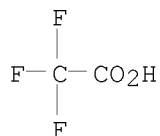
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-  
 1-methyl-2-[4-(4-morpholinylmethyl)phenyl]-6-oxo-, 2,2,2-trifluoroacetate  
 (1:1)  
 MF C24 H25 F N4 O4 . C2 H F3 O2

CM 1



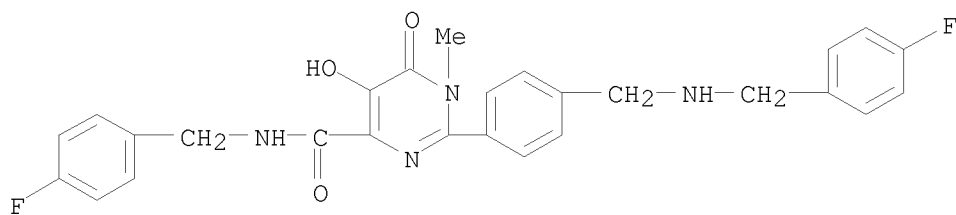
CM 2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-2-[4-[[[4-(4-fluorophenyl)methyl]amino]methyl]phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 MF C27 H24 F2 N4 O3  
 CI COM

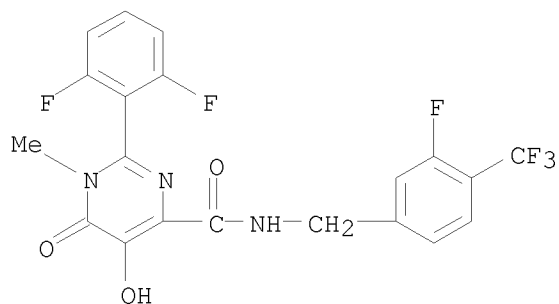


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, 2-(2,6-difluorophenyl)-N-[[3-fluoro-4-(trifluoromethyl)phenyl]methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 MF C20 H13 F6 N3 O3

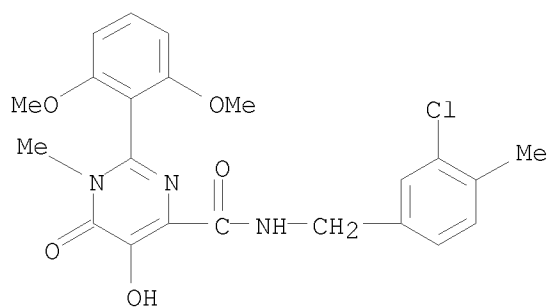




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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

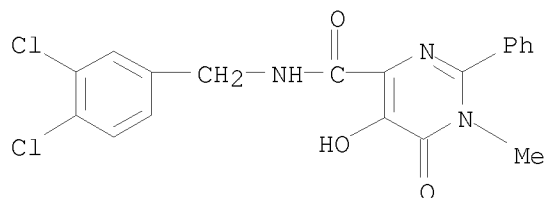
L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-2-(2,6-dimethoxyphenyl)-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 MF C22 H22 Cl N3 O5



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

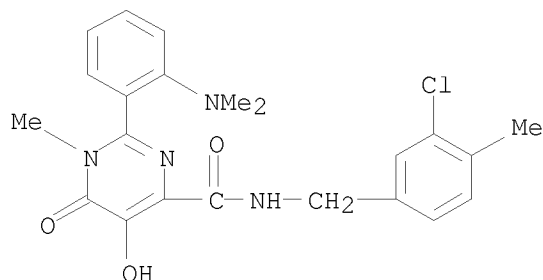
L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-phenyl-  
 MF C19 H15 Cl2 N3 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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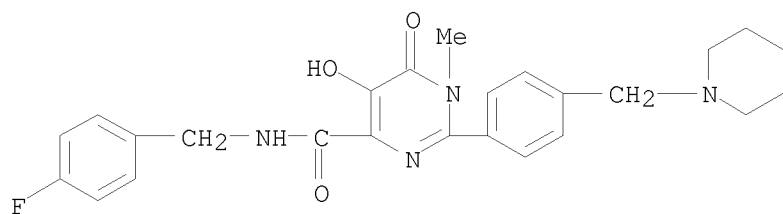
L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-2-[2-(dimethylamino)phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
MF C22 H23 Cl N4 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-[4-(1-piperidinylmethyl)phenyl]-  
MF C25 H27 F N4 O3  
CI COM

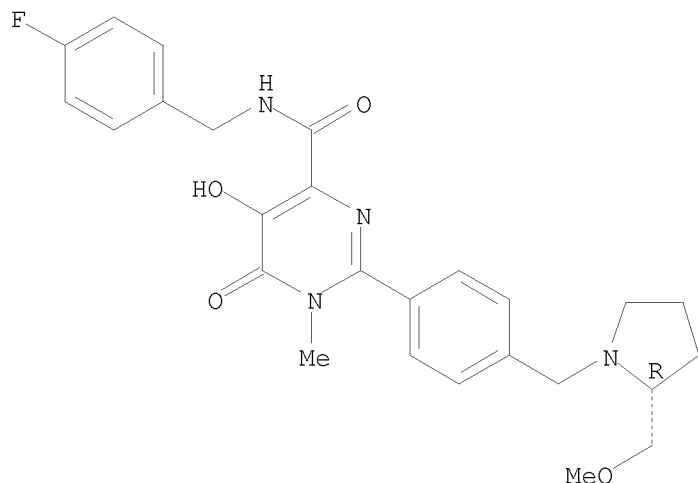


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
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MF C26 H29 F N4 O4  
CI COM

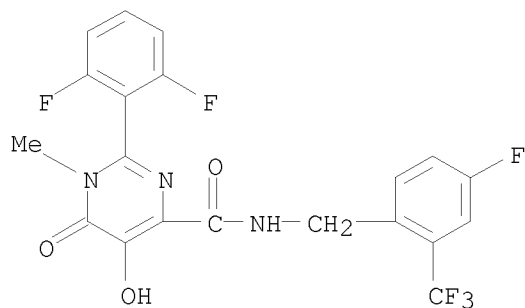
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

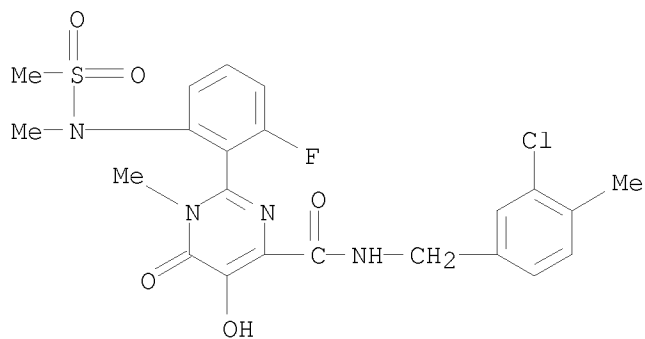
L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, 2-(2,6-difluorophenyl)-N-[[4-fluoro-2-(trifluoromethyl)phenyl]methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 MF C20 H13 F6 N3 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

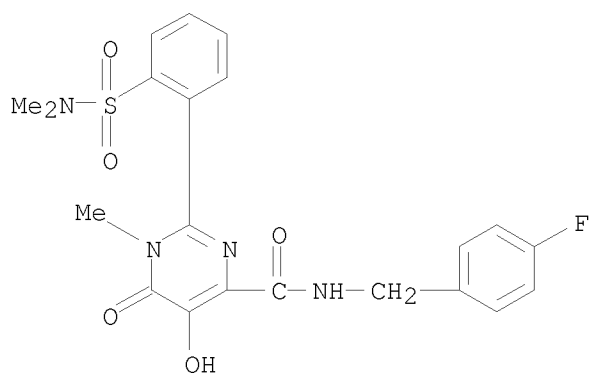
L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-2-[2-fluoro-6-[methyl(methylsulfonyl)amino]phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 MF C22 H22 Cl F N4 O5 S



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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

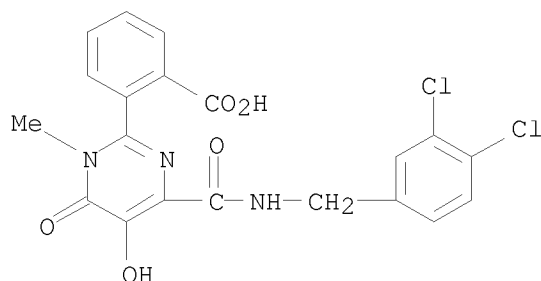
L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pyrimidinecarboxamide, 2-[2-[(dimethylamino)sulfonyl]phenyl]-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 MF C21 H21 F N4 O5 S



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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 106 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
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 MF C20 H15 Cl2 N3 O5



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil cap

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.82

179.49

FILE 'CAPLUS' ENTERED AT 16:48:17 ON 17 SEP 2008

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FILE COVERS 1907 - 17 Sep 2008 VOL 149 ISS 12

FILE LAST UPDATED: 16 Sep 2008 (20080916/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> d his

(FILE 'HOME' ENTERED AT 16:46:26 ON 17 SEP 2008)

FILE 'REGISTRY' ENTERED AT 16:46:45 ON 17 SEP 2008

FILE 'REGISTRY' ENTERED AT 16:46:57 ON 17 SEP 2008

L1 STRUCTURE UPLOADED

L2 7 S L1 SSS SAM

L3 106 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 16:48:17 ON 17 SEP 2008

=> s 13

L4 5 L3

=> d 1-5 ibib abs hitstr

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:117790 CAPLUS

DOCUMENT NUMBER: 146:184746

TITLE: Preparation of alanine phosphonate derivatives as antiviral agents

INVENTOR(S): Cai, Zhenhong R.; Jabri, Salman Y.; Jin, Haolun; Kim, Choung U.; Metobo, Samuel E.; Mish, Michael R.; Pastor, Richard M.

PATENT ASSIGNEE(S): Gilead Sciences, Inc., USA

SOURCE: PCT Int. Appl., 195pp.

CODEN: PIXXD2

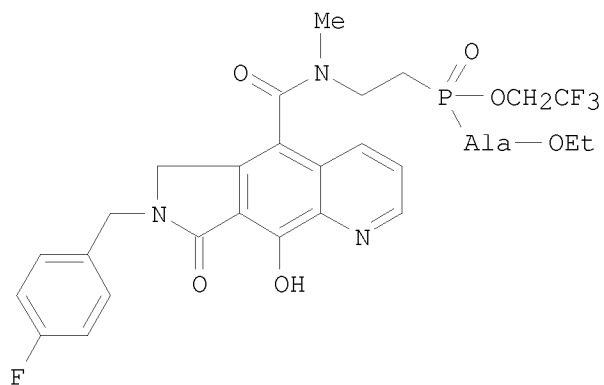
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2007014352	A2	20070201	WO 2006-US29611	20060727
WO 2007014352	A3	20070329		
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RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
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EP 1906971	A2	20080409	EP 2006-788911	20060727
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
PRIORITY APPLN. INFO.:			US 2005-703108P	P 20050727
			WO 2006-US29611	W 20060727
OTHER SOURCE(S):	MARPAT 146:184746			
GI				



AB The invention relates to conjugates comprising a compound that inhibits HIV linked to one or more phosphonate groups, compns., therapeutic methods, and processes and intermediates for preparing them. The conjugates include 2,3-dihydro-1H-pyrrolo[3,4-g]quinolin-1-ones having phosphonylalanine substituents and pharmaceutically-acceptable salts. Thus, compound I was prepared via N-acylation reaction and screened for antiviral activity (EC50 = 1.25 nM).

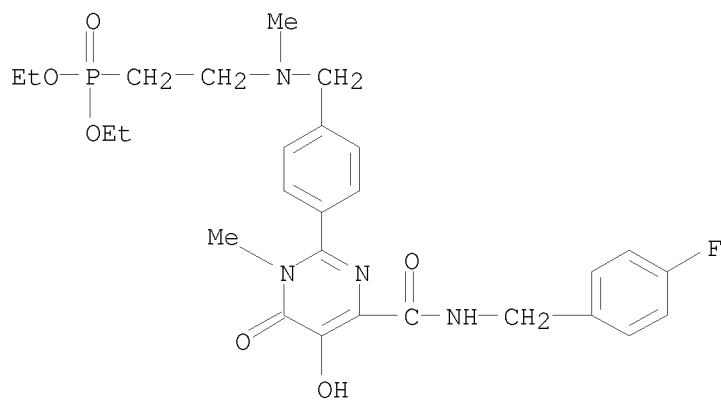
IT 861674-30-8P 861674-31-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of alanine phosphonate derivs. as antiviral agents)

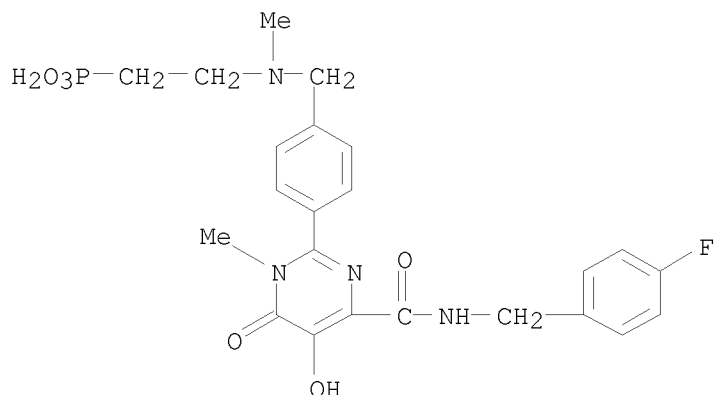
RN 861674-30-8 CAPLUS

CN Phosphonic acid, P-[2-[[[4-[4-[[[(4-fluorophenyl)methyl]amino]carbonyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-pyrimidinyl]phenyl]methyl]methylamino]ethyl]-, diethyl ester (CA INDEX NAME)



RN 861674-31-9 CAPLUS

CN Phosphonic acid, P-[2-[[[4-[4-[[[(4-fluorophenyl)methyl]amino]carbonyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-pyrimidinyl]phenyl]methyl]methylamino]ethyl]- (CA INDEX NAME)



L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:696887 CAPLUS

DOCUMENT NUMBER: 143:194107

TITLE: Pyrimidyl phosphonate antiviral compounds and methods of use

INVENTOR(S): Jin, Haolun; Kim, Choung U.

PATENT ASSIGNEE(S): Gilead Sciences, Inc., USA

SOURCE: PCT Int. Appl., 170 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

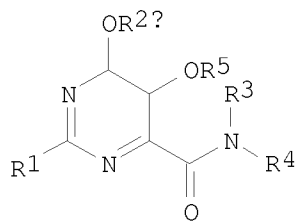
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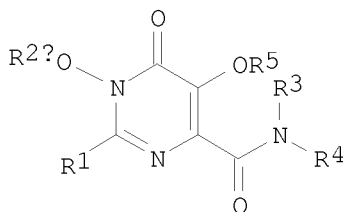
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WO 2005070901	A2	20050804	WO 2005-US815	20050111
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MX 2006PA07906	A	20070214	MX 2006-PA7906	20060710
US 20080153783	A1	20080626	US 2008-585504	20080214
PRIORITY APPLN. INFO.:			US 2004-536010P	P 20040112
			WO 2005-US815	W 20050111
OTHER SOURCE(S):			CASREACT 143:194107; MARPAT 143:194107	



GI



I



II

AB Pyrimidine I and pyrimidinone II phosphonate compds. R1 = H, F, Cl, Br, I, OH, OR, NH2, ammonium, alkylamino, dialkylamino, trialkylammonium, carboxy, sulfate, sulfamate, sulfonate, 5-7 membered ring sultam, 4-dialkylaminopyridinium, alkyl sulfone, aryl sulfone, aryl sulfoxide, arylthio, sulfonamide, alkyl sulfoxide, formyl, ester, amido, 5-7 membered ring lactone, nitrile, azido, nitro, C1-18 alkyl, C1-18 substituted alkyl, C2-18 alkenyl, C2-18 substituted alkenyl, C2-18 alkynyl, C2-18 substituted alkynyl, C6-20 aryl, C6-20 substituted aryl, C2-20 heterocycle, and C2-20 substituted heterocycle, phosphonate, phosphate, polyethyleneoxy, a protecting group, etc. R2a, R5 = independently selected from H, carboxy, sulfate, sulfamate, sulfonate, 5-7 membered ring sultam, 4-dialkylaminopyridinium, alkyl sulfone, aryl sulfone, aryl sulfoxide, arylthio, sulfonamide, alkyl sulfoxide, formyl, ester, amido, 5-7 membered ring lactam, 5-7 membered ring lactone, nitrile, azido, nitro, C1-18 alkyl, C1-18 substituted alkyl, C2-18 alkenyl, C2-18 substituted alkenyl, C2-18 alkynyl, C2-18 substituted alkynyl, C6-20 aryl, C6-20 substituted aryl, C2-20 heterocycle, and C2-20 substituted heterocycle, phosphonate, phosphate, polyethyleneoxy, a protecting group, etc.; R2b, R3, R4 = H, OH, OR, amino, ammonium, alkylamino, dialkylamino, trialkylammonium, carboxy, sulfate, sulfamate, sulfonate, 5-7 membered ring sultam, 4-dialkylaminopyridinium, alkyl sulfone, aryl sulfone, aryl sulfoxide, arylthio, sulfonamide, alkyl sulfoxide, formyl, ester, amido, 5-7 membered ring lactam, 5-7 membered ring lactone, nitrile, azido, nitro, C1-18 alkyl, C1-18 substituted alkyl, C2-18 alkenyl, C2-18 substituted alkenyl, C2-18 alkynyl, C2-18 substituted alkynyl, C6-20 aryl, C6-20 substituted aryl, C2-20 heterocycle, and C2-20 substituted heterocycle, phosphonate, phosphate, polyethyleneoxy, a protecting group, etc.; and methods for viral inhibition are disclosed. The compds. include at least one phosphonate group covalently attached at any site.

IT 861674-34-2

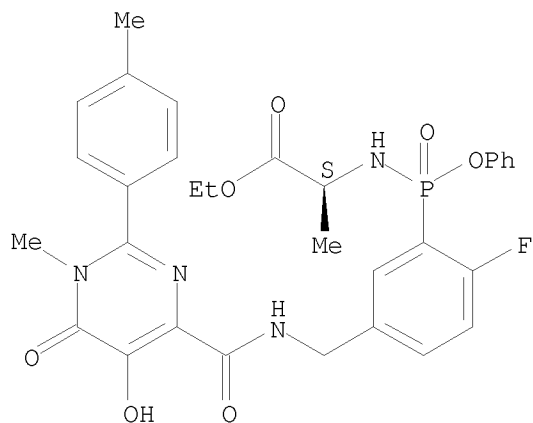
RL: BCP (Biochemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(preparation of pyrimidyl phosphonate antiviral compds. and methods of use)

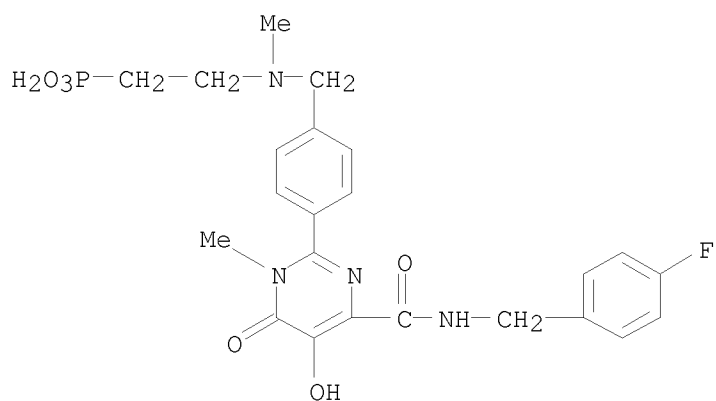
RN 861674-34-2 CAPLUS

CN L-Alanine, N-[[[5-[[[1,6-dihydro-5-hydroxy-1-methyl-2-(4-methylphenyl)-6-oxo-4-pyrimidinyl]carbonyl]amino]methyl]-2-fluorophenyl]phenoxyphosphinyl]-, ethyl ester (CA INDEX NAME)

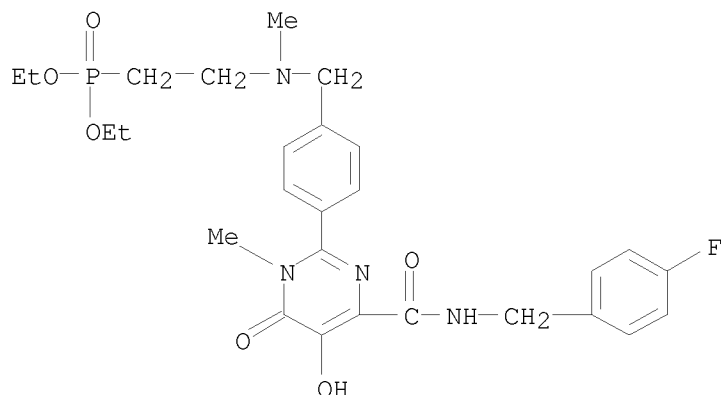
Absolute stereochemistry.



IT 861674-31-9P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of pyrimidyl phosphonate antiviral compds. and methods of use)  
 RN 861674-31-9 CAPLUS  
 CN Phosphonic acid, P-[2-[[[4-[4-[[[(4-fluorophenyl)methyl]amino]carbonyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-pyrimidinyl]phenyl]methyl]methylamino]ethyl]- (CA INDEX NAME)



IT 861674-30-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of pyrimidyl phosphonate antiviral compds. and methods of use)  
 RN 861674-30-8 CAPLUS  
 CN Phosphonic acid, P-[2-[[[4-[4-[[[(4-fluorophenyl)methyl]amino]carbonyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-pyrimidinyl]phenyl]methyl]methylamino]ethyl]-, diethyl ester (CA INDEX NAME)



L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:964994 CAPLUS

DOCUMENT NUMBER: 141:410945

TITLE: Preparation of benzyl pyrimidinecarboxamide derivative as HIV integrase inhibitors

INVENTOR(S): Naidu, B. Narasimhulu; Walker, Michael A.; Sorenson, Margaret E.

PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA

SOURCE: PCT Int. Appl., 106 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

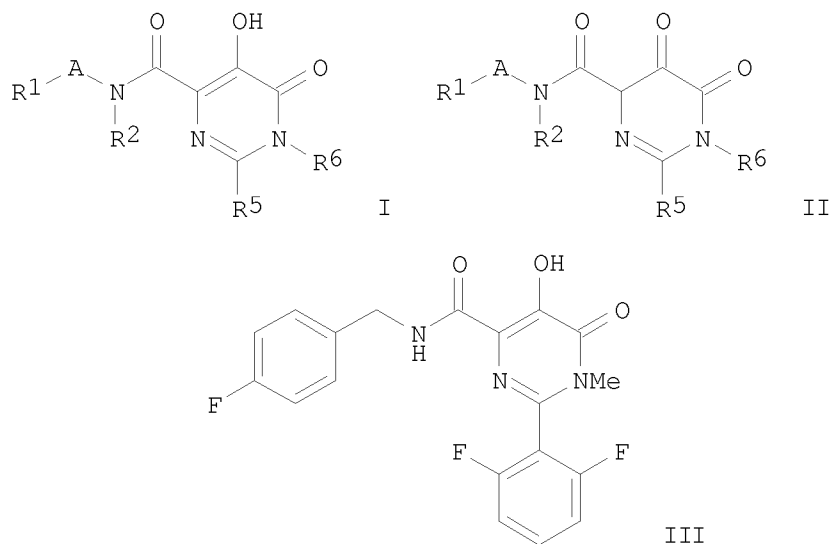
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RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 20040229892	A1	20041118	US 2004-824917	20040415
US 7037908	B2	20060502		

PRIORITY APPLN. INFO.: US 2003-465176P P 20030424

OTHER SOURCE(S): MARPAT 141:410945

GI



AB Title compds. represented by the formula I and II [wherein A = methylene or 1,1-disubstituted ethylene; R1 = (un)substituted Ph, pyridinyl, dioxolanylphenyl; R2 = H, Me, OH, oxyalkyl; R5 = (un)substituted Ph or heteroaryl; R6 = alkyl; and pharmaceutically acceptable salts or solvates thereof] were prepared as HIV integrase inhibitors. For example, III was given in a multi-step synthesis starting from 2,6-difluorobenzonitrile. The prepared compds. were tested for HIV-integrase inhibition activity with IC50 values of 0.002-2  $\mu$ M. Thus, title compound and their pharmaceutical compns. are useful as HIV integrase inhibitors for the treatment of AIDS or ARC.

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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

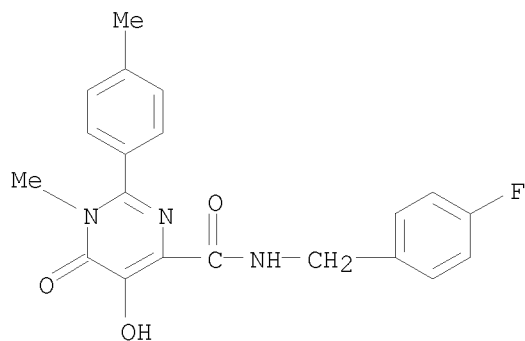
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    (preparation of benzyl (aryl)pyrimidinecarboxamide derivative as HIV
integrase
  inhibitors)

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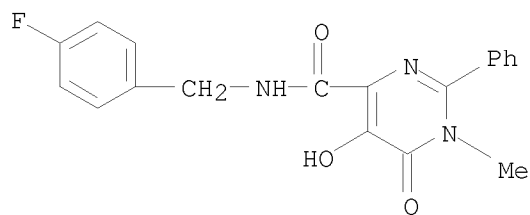
RN 518047-27-3 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



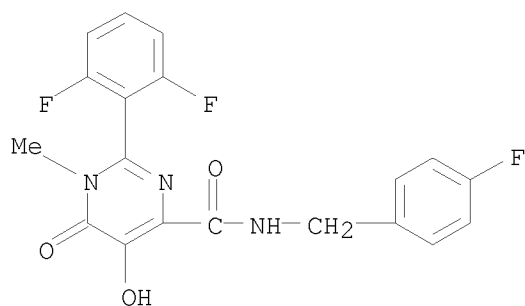
RN 745803-17-2 CAPLUS

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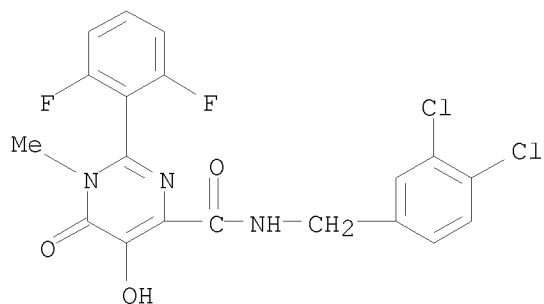
RN 791069-55-1 CAPLUS

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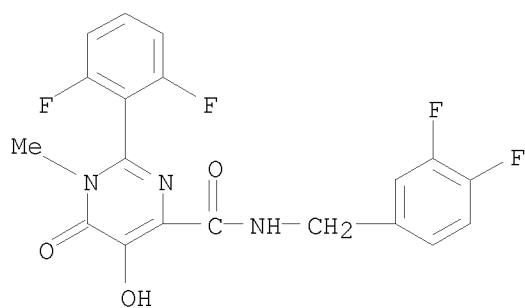


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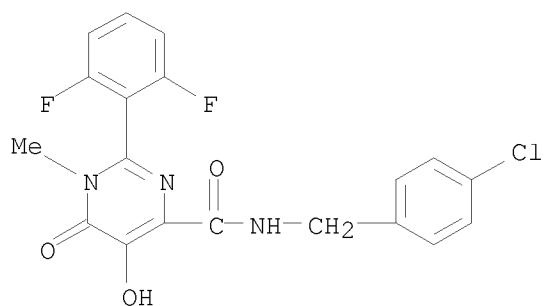
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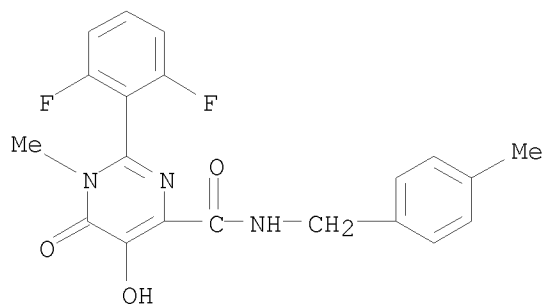
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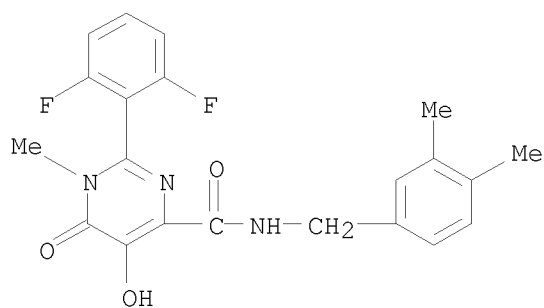
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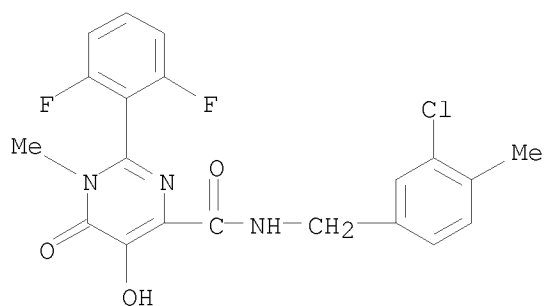
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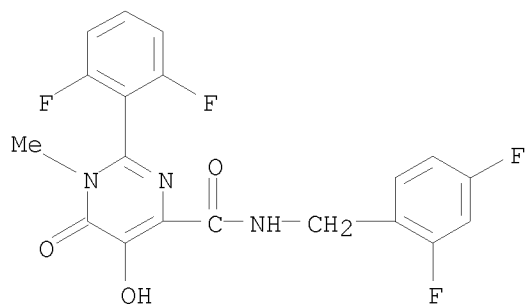
RN 791069-63-1 CAPLUS  
 CN 4-Pyrimidinecarboxamide, 2-(2,6-difluorophenyl)-N-[(3,4-dimethylphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



RN 791069-64-2 CAPLUS  
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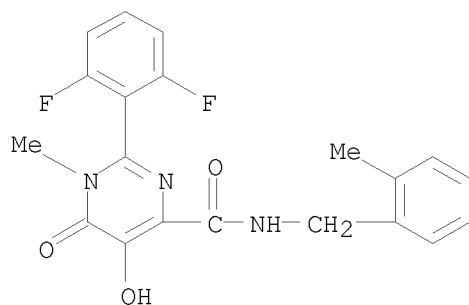


RN 791069-65-3 CAPLUS  
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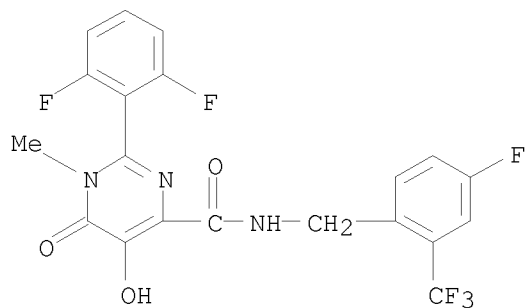
RN 791069-66-4 CAPLUS

CN 4-Pyrimidinecarboxamide, 2-(2,6-difluorophenyl)-1,6-dihydro-5-hydroxy-1-methyl-N-[(2-methylphenyl)methyl]-6-oxo- (CA INDEX NAME)



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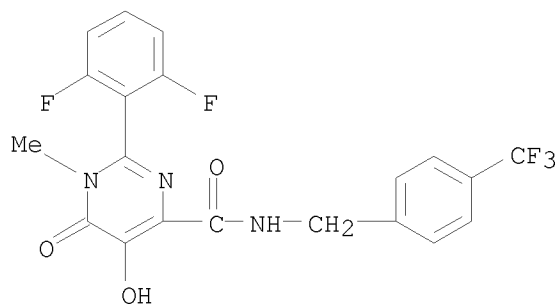
CN 4-Pyrimidinecarboxamide, 2-(2,6-difluorophenyl)-N-[[4-fluoro-2-(trifluoromethyl)phenyl]methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



RN 791069-68-6 CAPLUS

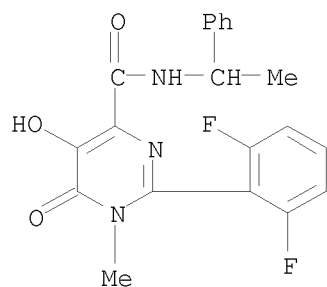
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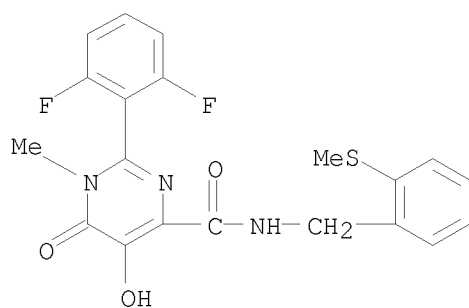
RN 791069-70-0 CAPLUS

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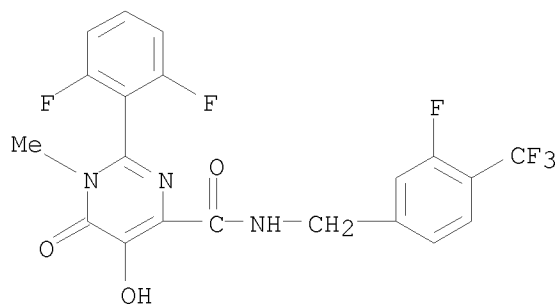
RN 791069-71-1 CAPLUS

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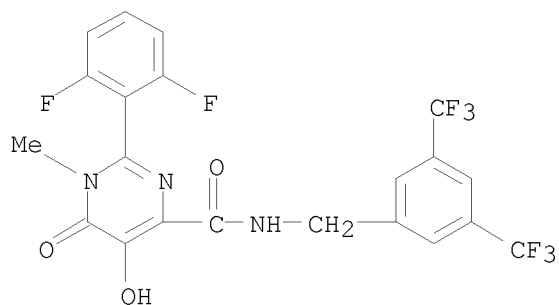
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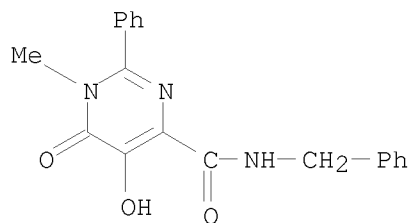
RN 791069-73-3 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[[3,5-bis(trifluoromethyl)phenyl]methyl]-2-(2,6-difluorophenyl)-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



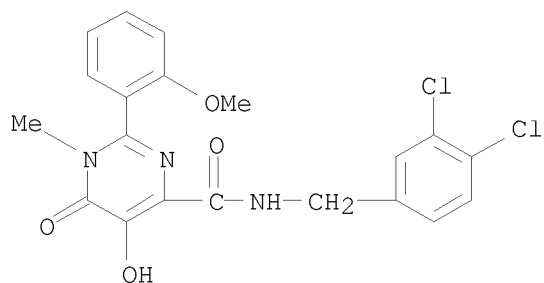
RN 791069-76-6 CAPLUS

CN 4-Pyrimidinecarboxamide, 1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-phenyl-N-(phenylmethyl)- (CA INDEX NAME)



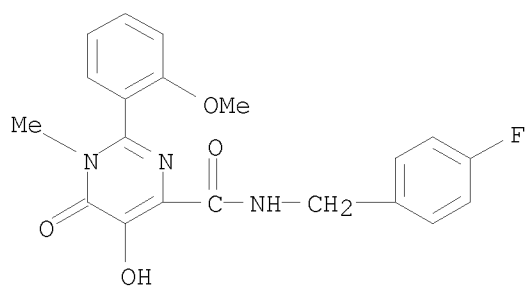
RN 791069-91-5 CAPLUS

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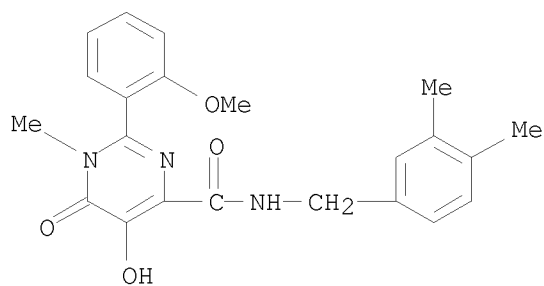
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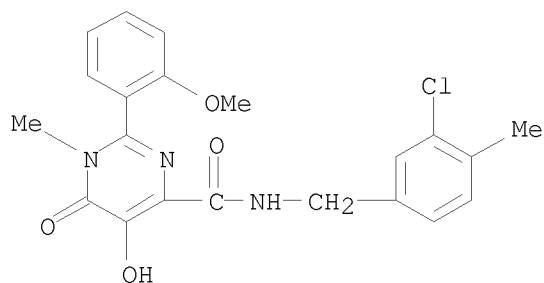
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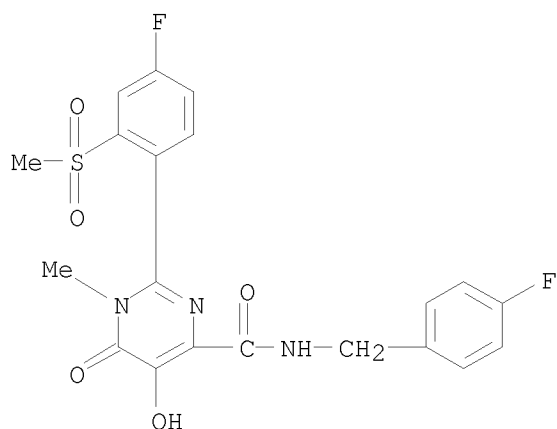
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CN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-1,6-dihydro-5-hydroxy-2-(2-methoxyphenyl)-1-methyl-6-oxo- (CA INDEX NAME)



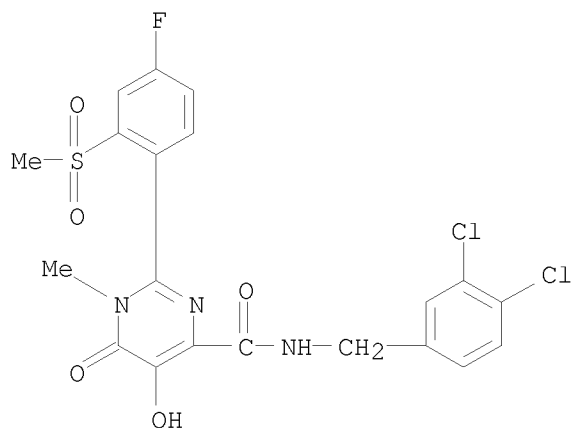
RN 791069-95-9 CAPLUS

CN 4-Pyrimidinecarboxamide, 2-[4-fluoro-2-(methylsulfonyl)phenyl]-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



RN 791069-96-0 CAPLUS

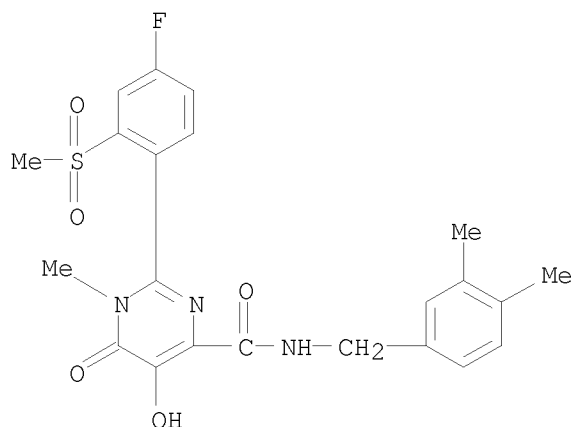
CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-2-[4-fluoro-2-(methylsulfonyl)phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



RN 791069-97-1 CAPLUS

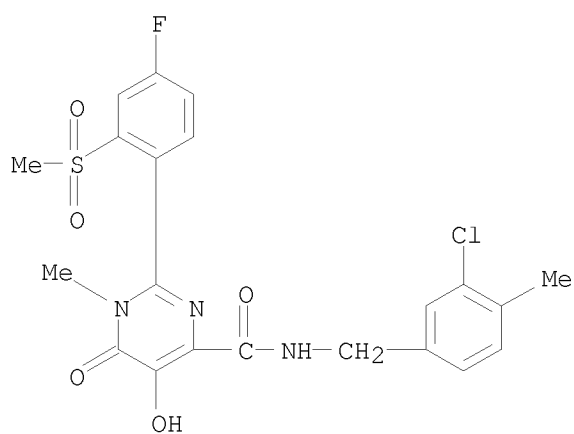
CN 4-Pyrimidinecarboxamide, N-[(3,4-dimethylphenyl)methyl]-2-[4-fluoro-2-(methylsulfonyl)phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)

NAME)



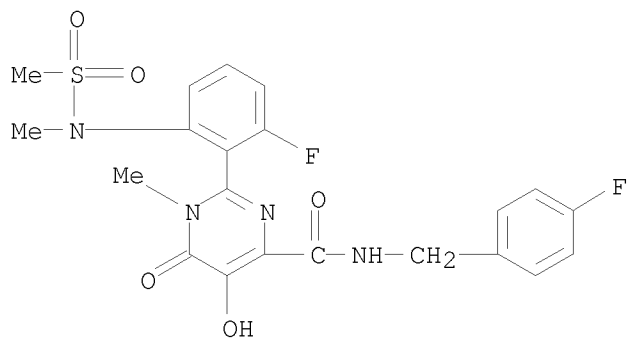
RN 791069-98-2 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-2-[4-fluoro-2-(methylsulfonyl)phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)

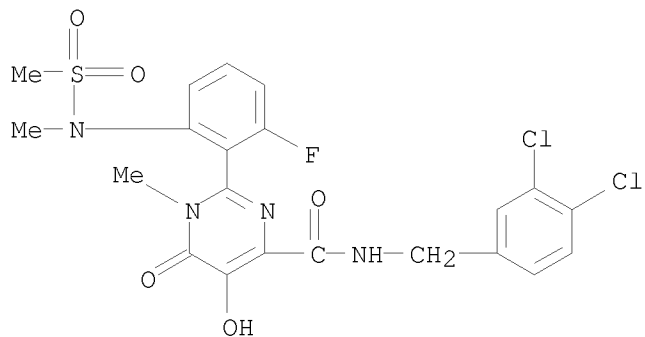


RN 791069-99-3 CAPLUS

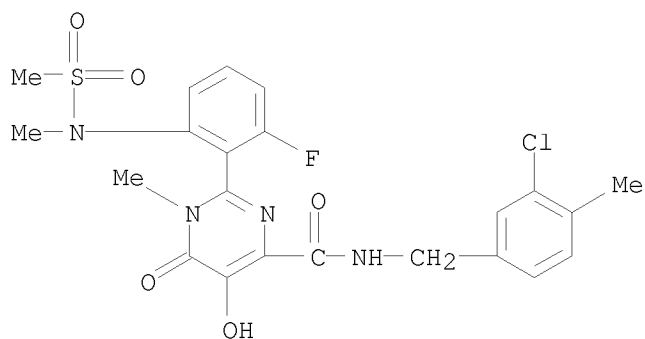
CN 4-Pyrimidinecarboxamide, 2-[2-fluoro-6-[methyl(methylsulfonyl)amino]phenyl]-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



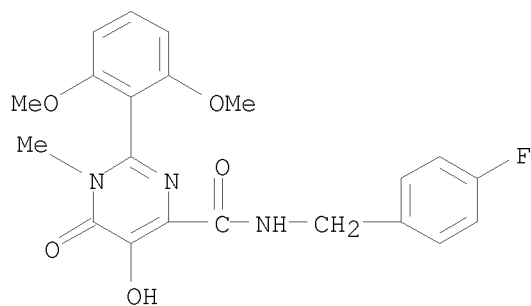
RN 791070-00-3 CAPLUS  
 CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-2-[2-fluoro-6-[methyl(methylsulfonyl)amino]phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 (CA INDEX NAME)



RN 791070-01-4 CAPLUS  
 CN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-2-[2-fluoro-6-[methyl(methylsulfonyl)amino]phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 (CA INDEX NAME)

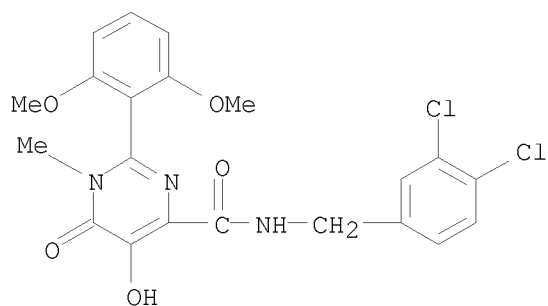


RN 791070-02-5 CAPLUS  
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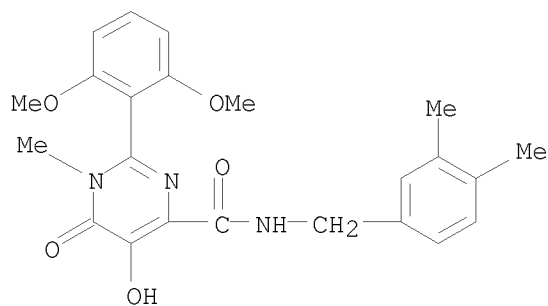
RN 791070-03-6 CAPLUS  
 CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-2-(2,6-

dimethoxyphenyl)-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



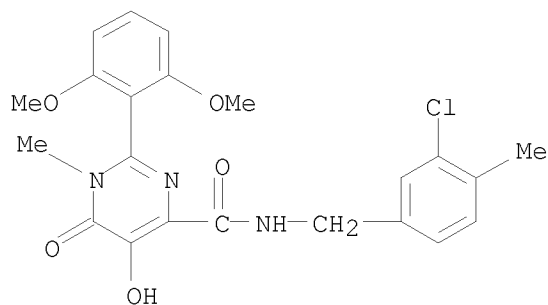
RN 791070-04-7 CAPLUS

CN 4-Pyrimidinecarboxamide, 2-(2,6-dimethoxyphenyl)-N-[(3,4-dimethylphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



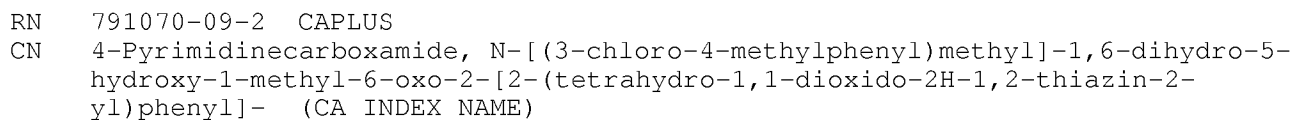
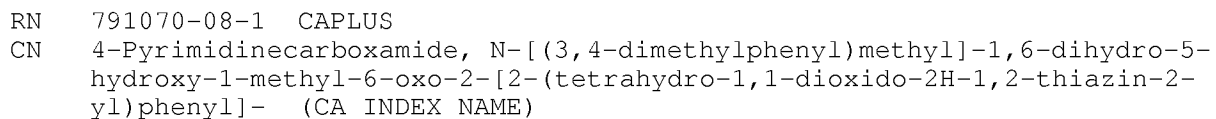
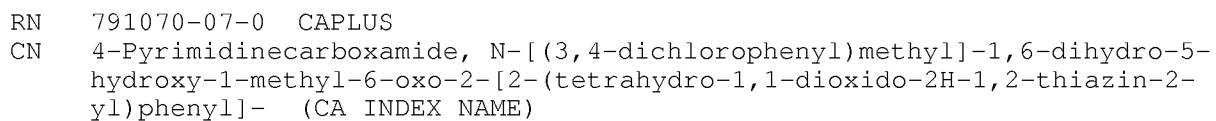
RN 791070-05-8 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-2-(2,6-dimethoxyphenyl)-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)

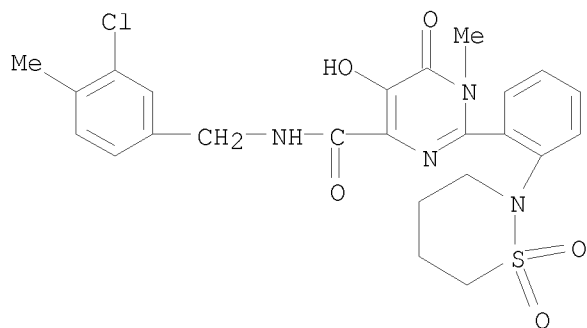


RN 791070-06-9 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-[2-(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)phenyl]- (CA INDEX NAME)



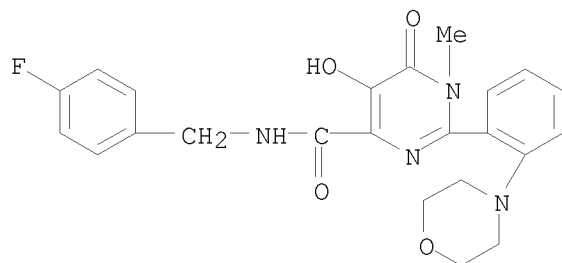




RN 791070-11-6 CAPLUS  
 CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[2-(4-morpholinyl)phenyl]-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

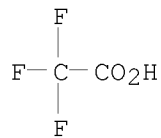
CM 1

CRN 791070-10-5  
 CMF C23 H23 F N4 O4



CM 2

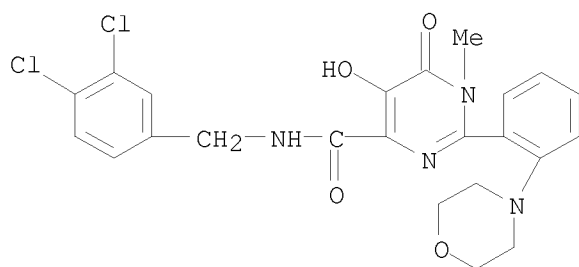
CRN 76-05-1  
 CMF C2 H F3 O2



RN 791070-13-8 CAPLUS  
 CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[2-(4-morpholinyl)phenyl]-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

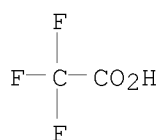
CRN 791070-12-7  
 CMF C23 H22 Cl2 N4 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



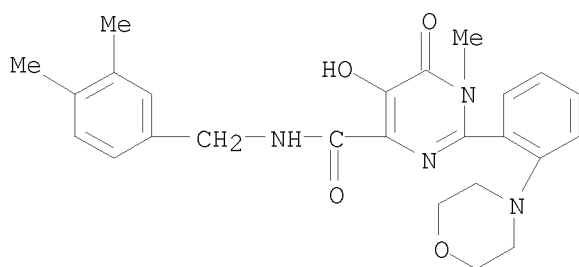
RN 791070-15-0 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3,4-dimethylphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[2-(4-morpholinyl)phenyl]-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 791070-14-9

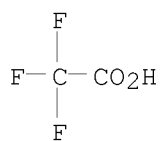
CMF C25 H28 N4 O4



CM 2

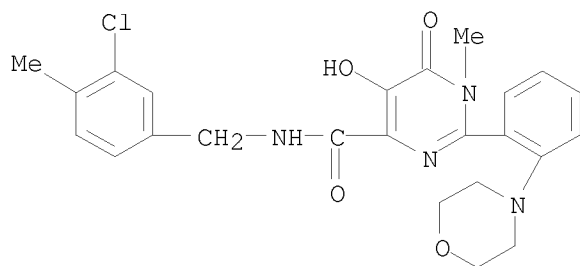
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CMF C2 H F3 O2



RN 791070-16-1 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[2-(4-morpholinyl)phenyl]-6-oxo- (CA INDEX NAME)



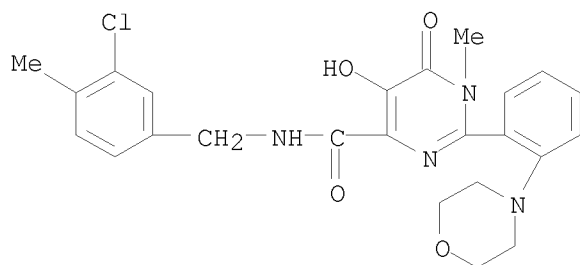
RN 791070-17-2 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[2-(4-morpholinyl)phenyl]-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 791070-16-1

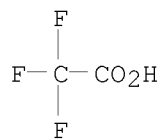
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CM 2

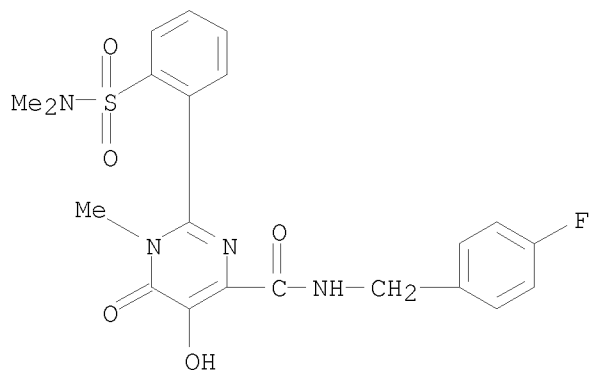
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CMF C2 H F3 O2

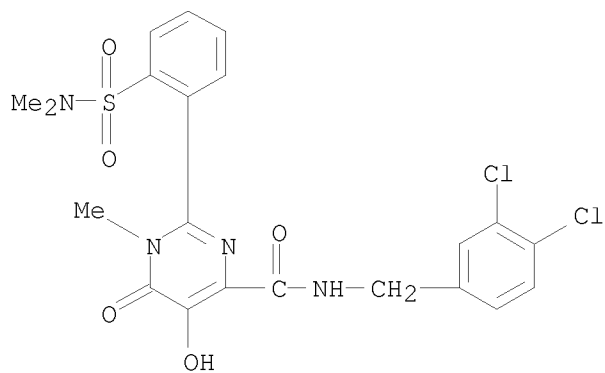


RN 791070-18-3 CAPLUS

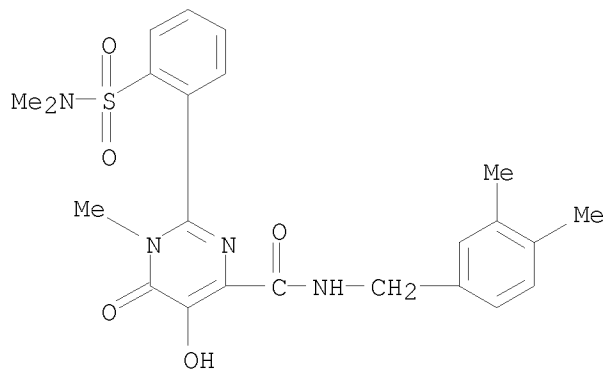
CN 4-Pyrimidinecarboxamide, 2-[2-[(dimethylamino)sulfonyl]phenyl]-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



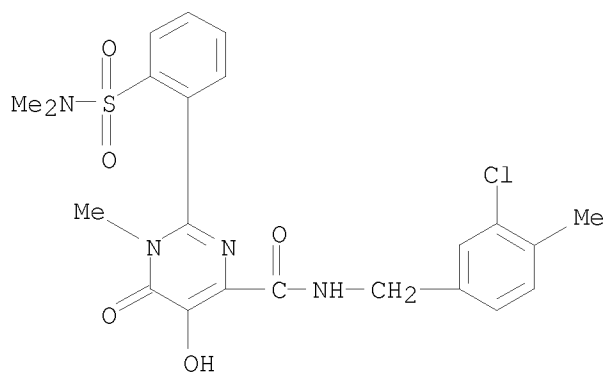
RN 791070-19-4 CAPLUS  
 CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-2-[2-  
 [(dimethylamino)sulfonyl]phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-  
 (CA INDEX NAME)



RN 791070-20-7 CAPLUS  
 CN 4-Pyrimidinecarboxamide, 2-[2-[(dimethylamino)sulfonyl]phenyl]-N-[(3,4-  
 dimethylphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX  
 NAME)

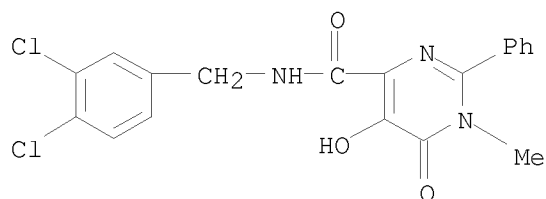


RN 791070-21-8 CAPLUS  
 CN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-2-[2-  
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 (CA INDEX NAME)



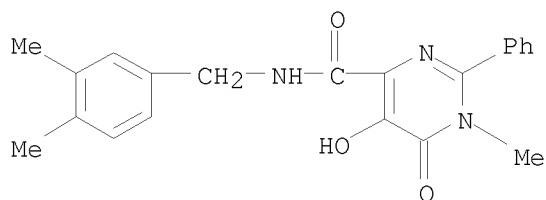
RN 791070-34-3 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-phenyl- (CA INDEX NAME)



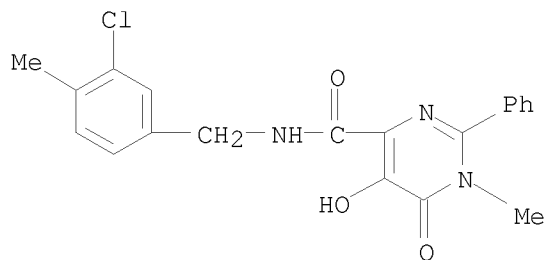
RN 791070-35-4 CAPLUS

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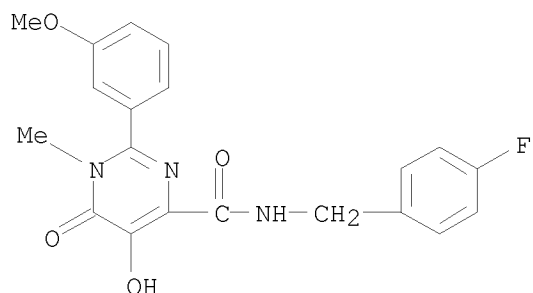
RN 791070-37-6 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-phenyl- (CA INDEX NAME)



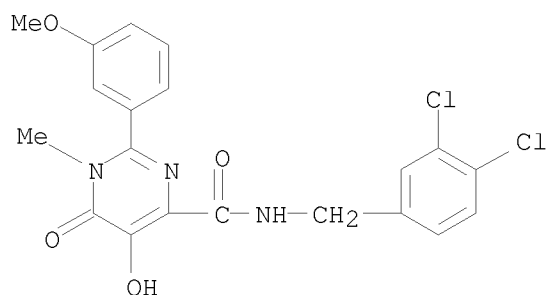
RN 791070-39-8 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-(3-methoxyphenyl)-1-methyl-6-oxo- (CA INDEX NAME)



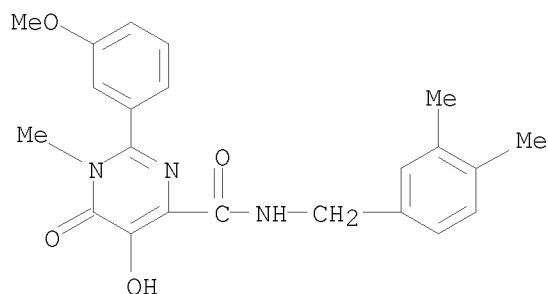
RN 791070-41-2 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-(3-methoxyphenyl)-1-methyl-6-oxo- (CA INDEX NAME)



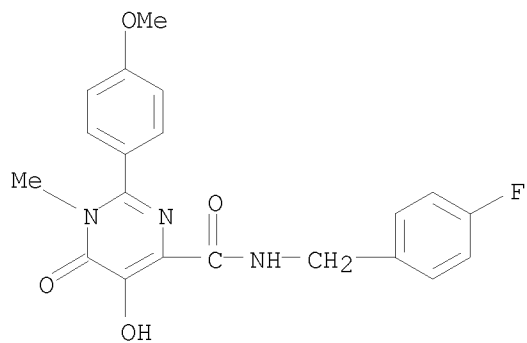
RN 791070-43-4 CAPLUS

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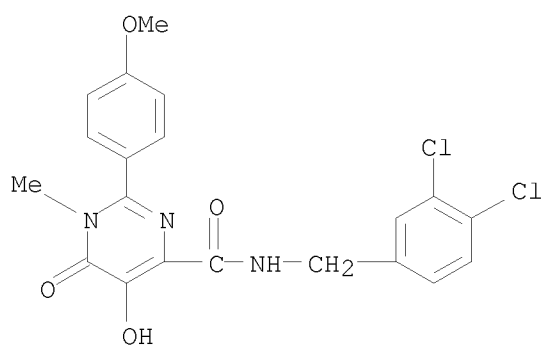
RN 791070-45-6 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-(4-methoxyphenyl)-1-methyl-6-oxo- (CA INDEX NAME)



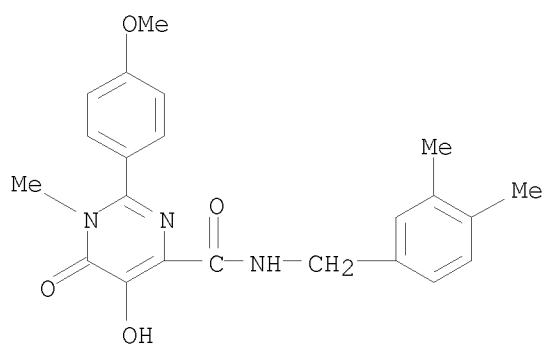
RN 791070-47-8 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-(4-methoxyphenyl)-1-methyl-6-oxo- (CA INDEX NAME)



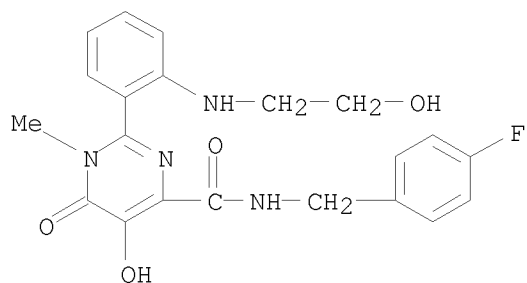
RN 791070-49-0 CAPLUS

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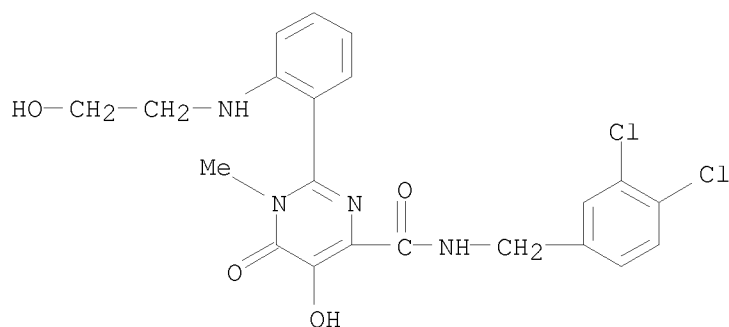
RN 791070-51-4 CAPLUS

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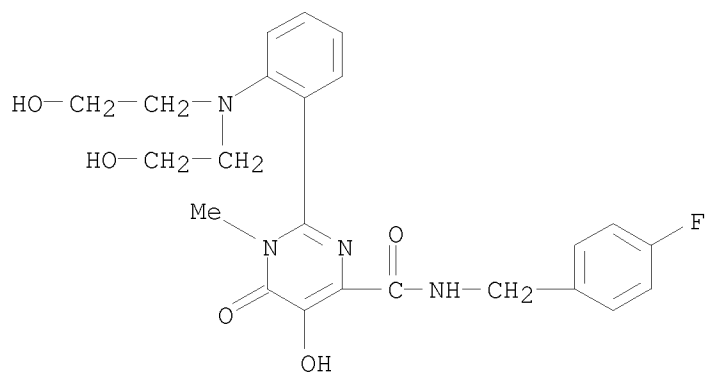
RN 791070-52-5 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-[2-[(2-hydroxyethyl)amino]phenyl]-1-methyl-6-oxo- (CA INDEX NAME)



RN 791070-53-6 CAPLUS

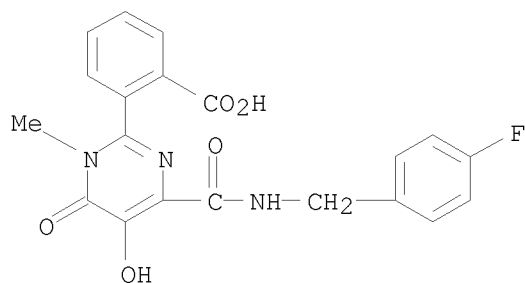
CN 4-Pyrimidinecarboxamide, 2-[2-[bis(2-hydroxyethyl)amino]phenyl]-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



RN 791070-54-7 CAPLUS

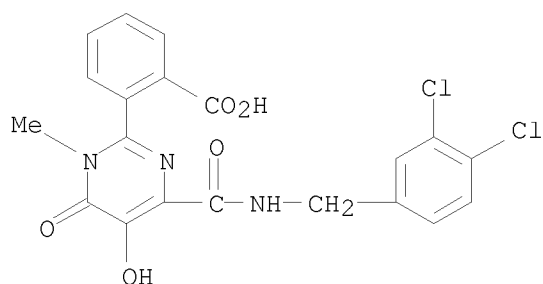
CN Benzoic acid, 2-[4-[[[(4-fluorophenyl)methyl]amino]carbonyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-pyrimidinyl]- (CA INDEX NAME)





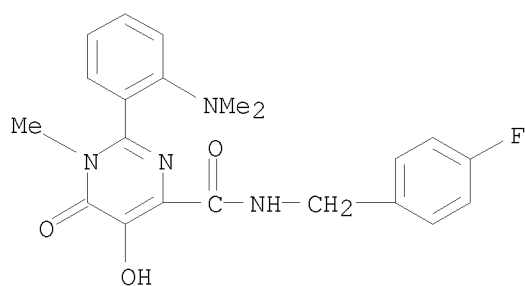
RN 791070-55-8 CAPLUS

CN Benzoic acid, 2-[4-[[[(3,4-dichlorophenyl)methyl]amino]carbonyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-pyrimidinyl]- (CA INDEX NAME)



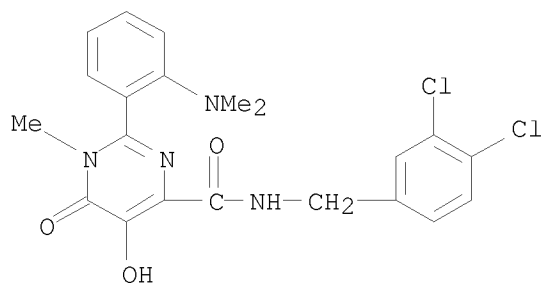
RN 791070-56-9 CAPLUS

CN 4-Pyrimidinecarboxamide, 2-[2-(dimethylamino)phenyl]-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



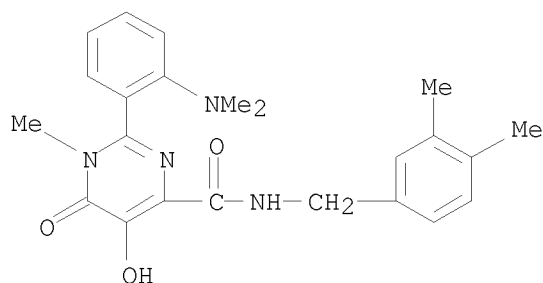
RN 791070-58-1 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3,4-dichlorophenyl)methyl]-2-[2-(dimethylamino)phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



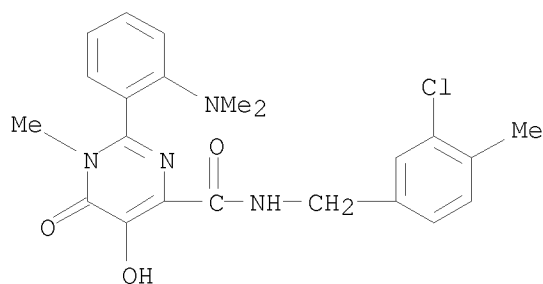
RN 791070-59-2 CAPLUS

CN 4-Pyrimidinecarboxamide, 2-[2-(dimethylamino)phenyl]-N-[(3,4-dimethylphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



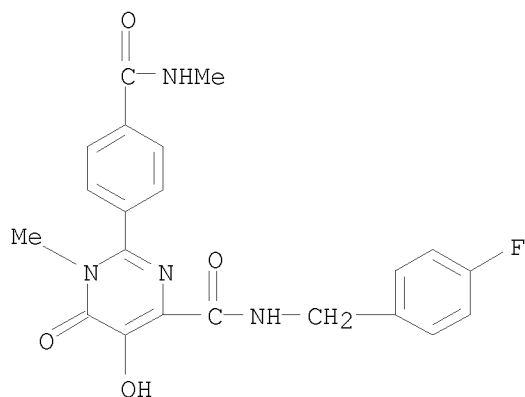
RN 791070-63-8 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(3-chloro-4-methylphenyl)methyl]-2-[2-(dimethylamino)phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



RN 791070-85-4 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[4-[(methylamino)carbonyl]phenyl]-6-oxo- (CA INDEX NAME)



L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:716288 CAPLUS

DOCUMENT NUMBER: 141:218924

TITLE: Antiviral agents containing nitrogen-containing heteroaromatic compounds

INVENTOR(S): Fuji, Masahiro; Matsushita, Shihaku; Mikamiyama, Hidenori

PATENT ASSIGNEE(S): Shionogi and Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 54 pp.

CODEN: JKXXAF

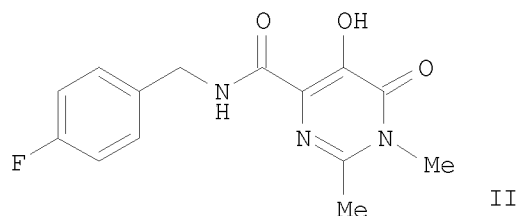
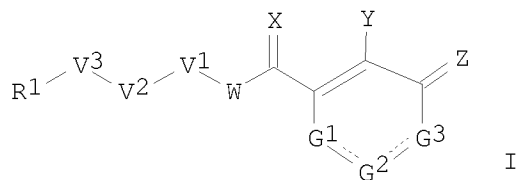
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2004244320	A	20040902	JP 2003-32772	20030210
PRIORITY APPLN. INFO.:			JP 2003-32772	20030210
OTHER SOURCE(S):	MARPAT	141:218924		
GI				



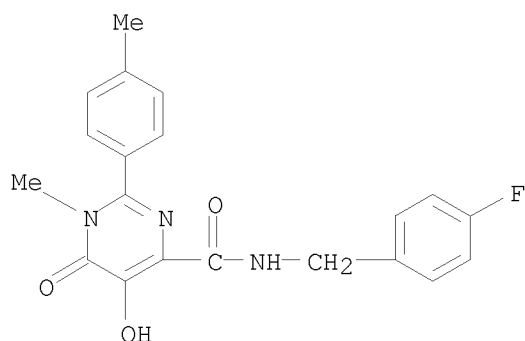
AB The invention provides antiviral agents having HIV integrase inhibitory effects, characterized by containing I [G1 = (substituted) N,; G2 = (substituted) C; G3 = (substituted)N, C, O, S; R1 = (substituted) aryl, heteroaryl, cycloalkyl, cycloalkenyl, heterocycle; V1, V3 = (substituted) alkylene, alkenylene; V2 = (substituted) alkylene, alkenylene, etc.; X = O, S, NH; Y = hydroxy, mercapto, amino; Z = O, S, NH]. A compound II was prepared, and in vitro tested for its HIV integrase inhibitory effect. A capsule containing an active component 250 mg/capsule was also formulated.

IT 518047-27-3P 745803-17-2P 745803-21-8P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(antiviral agents having HIV integrase inhibitory effects containing nitrogen-containing heteroarom. compds.)

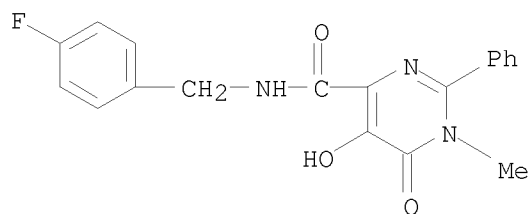
RN 518047-27-3 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



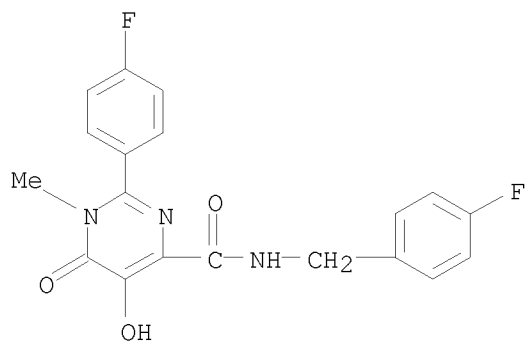
RN 745803-17-2 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-phenyl- (CA INDEX NAME)



RN 745803-21-8 CAPLUS

CN 4-Pyrimidinecarboxamide, 2-(4-fluorophenyl)-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:334912 CAPLUS

DOCUMENT NUMBER: 138:354001

TITLE: Preparation of N-substituted hydroxypyrimidinone carboxamide inhibitors of HIV integrase

INVENTOR(S): Crescenzi, Benedetta; Gardelli, Cristina; Muraglia, Ester; Nizi, Emanuela; Orvieto, Federica; Pace, Paola; Pescatore, Giovanna; Petrocchi, Alessia; Poma, Marco; Rowley, Michael; Scarpelli, Rita; Summa, Vincenzo  
 PATENT ASSIGNEE(S): Istituto Di Ricerche Di Biologia Molecolare P. Angeletti Spa, Italy

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LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

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W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2463976	A1	20030501	CA 2002-2463976	20021021
CA 2463976	C	20070213		
AU 2002334207	A1	20030506	AU 2002-334207	20021021
AU 2002334207	A2	20030506		
AU 2002334207	B2	20060223		
EP 1441735	A1	20040804	EP 2002-801950	20021021
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HU 2004001740	A2	20041228	HU 2004-1740	20021021
JP 2005511543	T	20050428	JP 2003-537644	20021021
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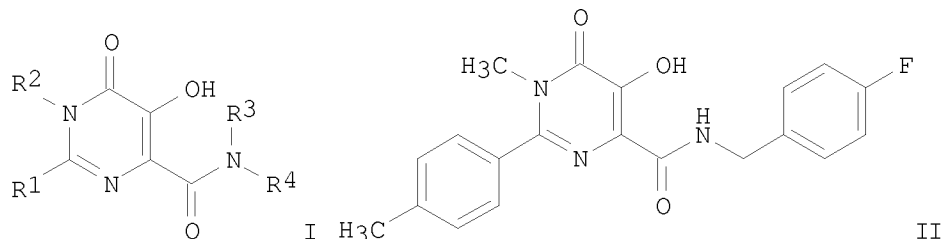
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ZA 2004002796	A	20050120	ZA 2004-2796	20040413
US 20050025774	A1	20050203	US 2004-493280	20040420
US 7169780	B2	20070130		
MX 2004PA03932	A	20040618	MX 2004-PA3932	20040423
IN 2004CN00868	A	20060113	IN 2004-CN868	20040423
NO 2004002165	A	20040525	NO 2004-2165	20040525
NO 325206	B1	20080225		
US 20060258860	A1	20061116	US 2006-491815	20060724
US 7217713	B2	20070515		
US 20070123524	A1	20070531	US 2006-641508	20061219

PRIORITY APPLN. INFO.:

US 2001-339568P	P	20011026
US 2002-362191P	P	20020306
WO 2002-GB4753	W	20021021
US 2004-493280	A3	20040420

OTHER SOURCE(S): MARPAT 138:354001

GI



AB Title compds. I [R1 = H, alkyl, etc.; R2 = alkyl; R3 = H, alkyl; R4 = H, alkyl, alkynyl, etc.] are prepared For instance, 5-[(2,2-dimethylpropanoyl)oxy]-1-methyl-2-(4-methylphenyl)-6-oxo-1,6-dihydropyrimidine-4-carboxylate (general procedures provided for preparation) is reacted with 4-fluorobenzylamine (DMF, 90°, 2 h) to yield II. I are inhibitors of HIV integrase and inhibitors of HIV replication and are useful in the prevention and treatment of infection by HIV and in the prevention, delay in the onset, and treatment of AIDS. I can be employed in pharmaceutical compns., optionally in combination with other antivirals, immunomodulators, antibiotics or vaccines.

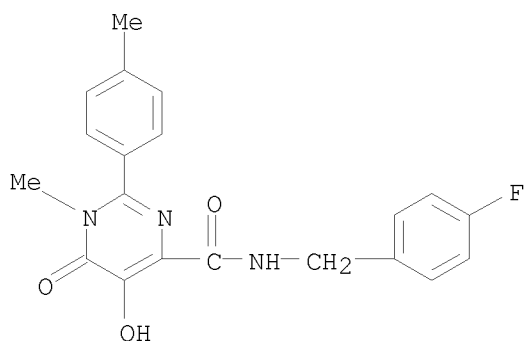
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 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-substituted hydroxypyrimidinone carboxamide inhibitors of HIV integrase)

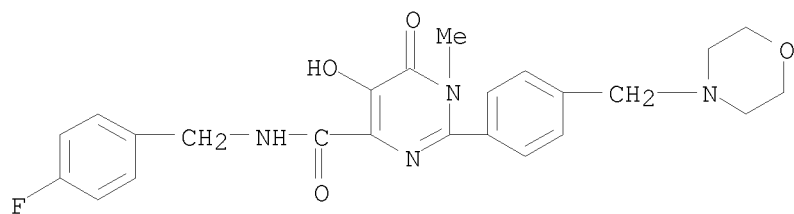
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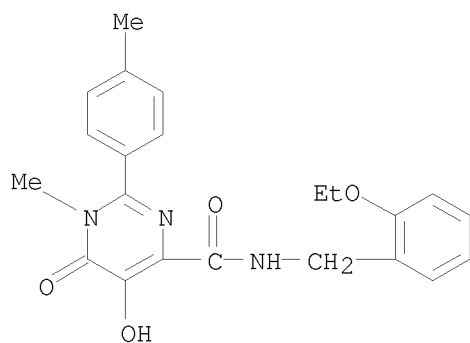
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CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[4-(4-morpholinylmethyl)phenyl]-6-oxo- (CA INDEX NAME)



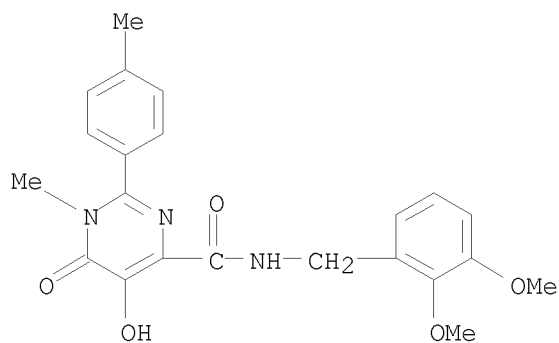
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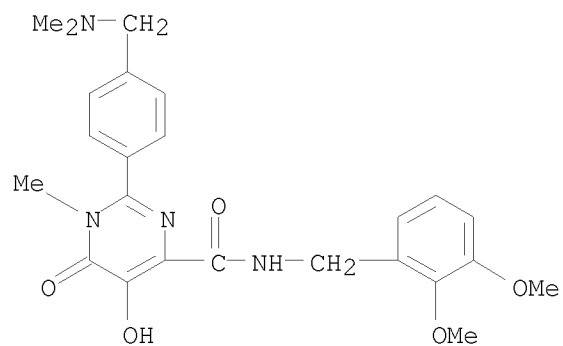
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RN 518048-27-6 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(2,3-dimethoxyphenyl)methyl]-2-[4-[(dimethylamino)methyl]phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)

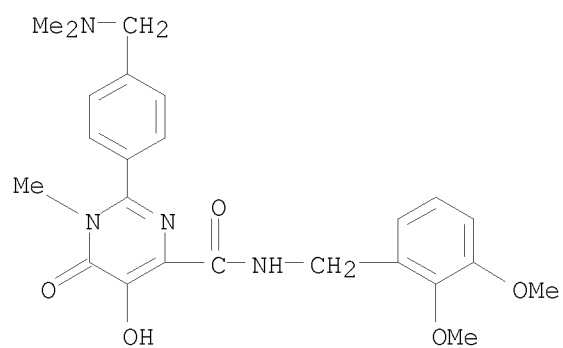




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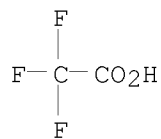
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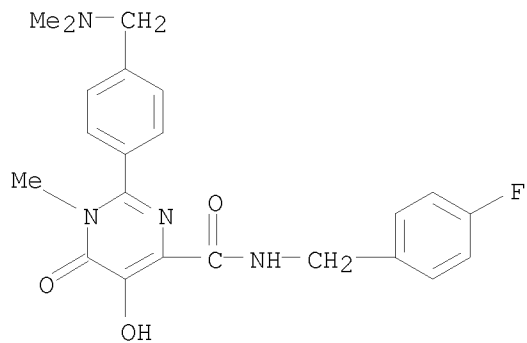


CM 2

CRN 76-05-1  
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RN 518048-29-8 CAPLUS  
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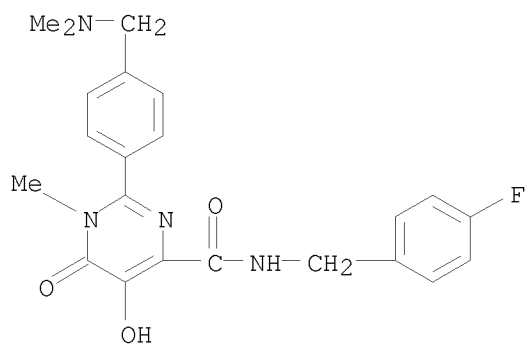
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CM 1

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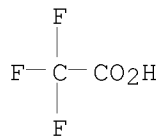
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CM 2

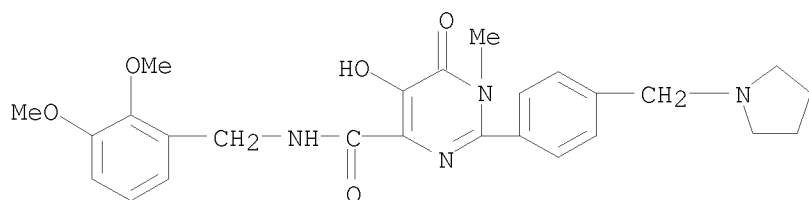
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RN 518048-31-2 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(2,3-dimethoxyphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-[4-(1-pyrrolidinylmethyl)phenyl]- (CA INDEX NAME)



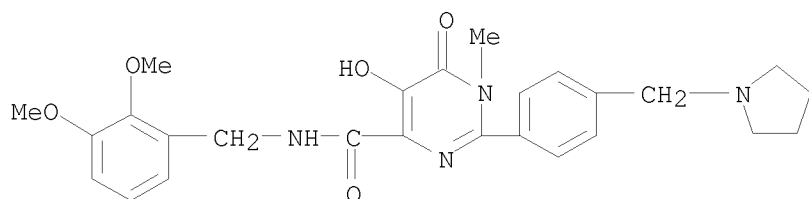
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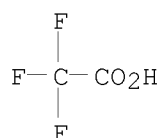
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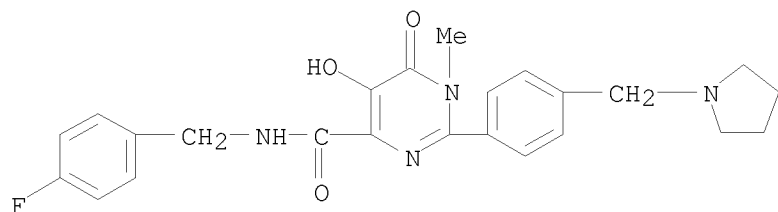
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RN 518048-33-4 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-[4-(1-pyrrolidinylmethyl)phenyl]- (CA INDEX NAME)



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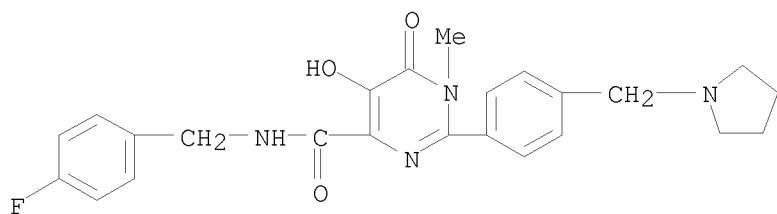
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(1:1) (CA INDEX NAME)

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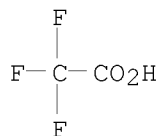
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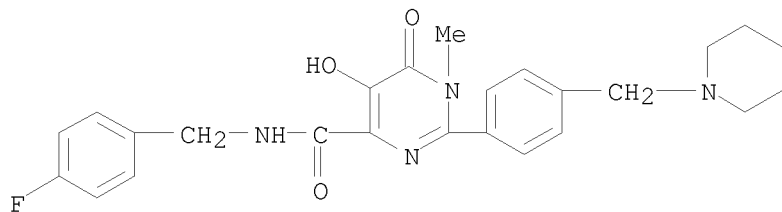
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RN 518048-35-6 CAPLUS

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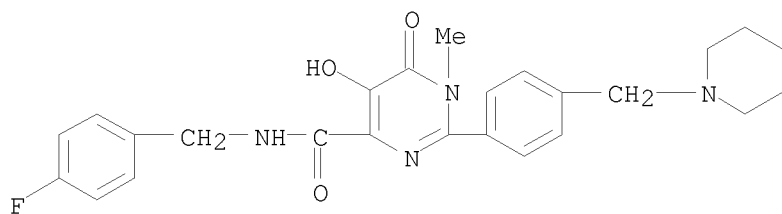
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CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-[4-(1-piperidin-1-ylmethyl)phenyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

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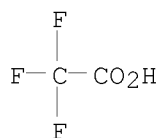
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CM 2

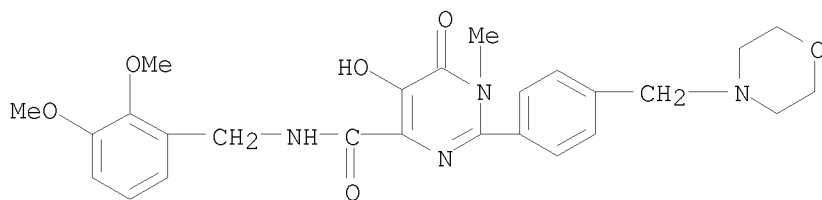
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RN 518048-37-8 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(2,3-dimethoxyphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[4-(4-morpholinylmethyl)phenyl]-6-oxo- (CA INDEX NAME)



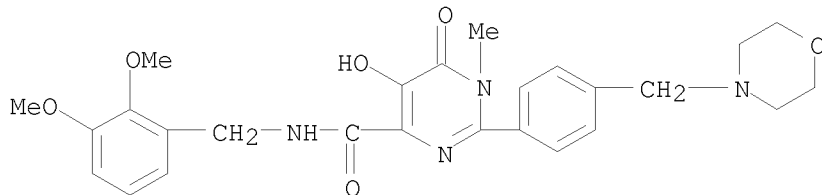
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CN 4-Pyrimidinecarboxamide, N-[(2,3-dimethoxyphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[4-(4-morpholinylmethyl)phenyl]-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

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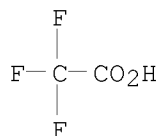
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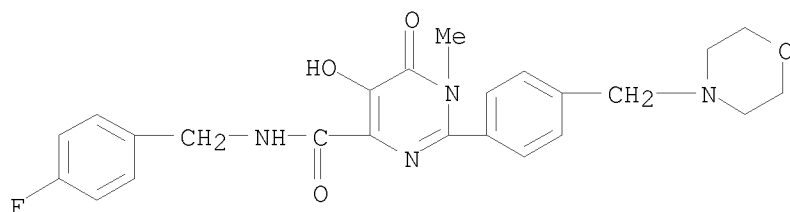
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RN 518048-39-0 CAPLUS  
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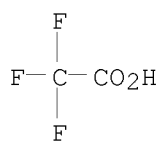
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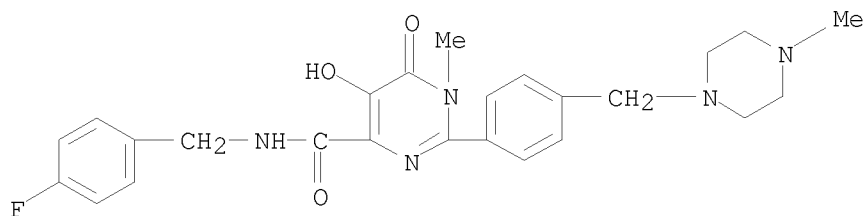


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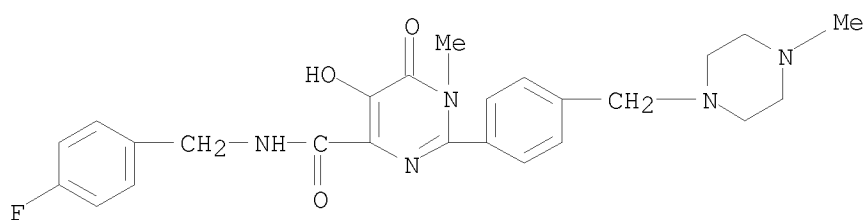
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RN 518048-41-4 CAPLUS  
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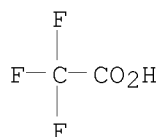
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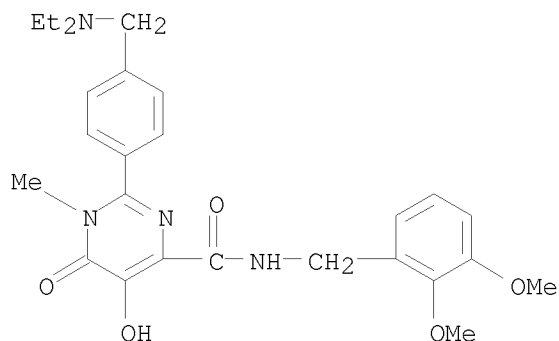


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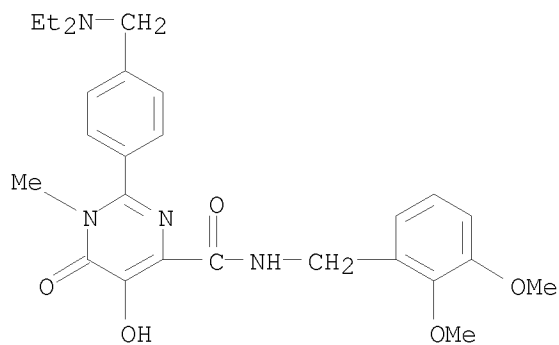
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RN 518048-43-6 CAPLUS  
 CN 4-Pyrimidinecarboxamide, 2-[4-[(diethylamino)methyl]phenyl]-N-[(2,3-dimethoxyphenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

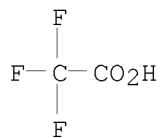
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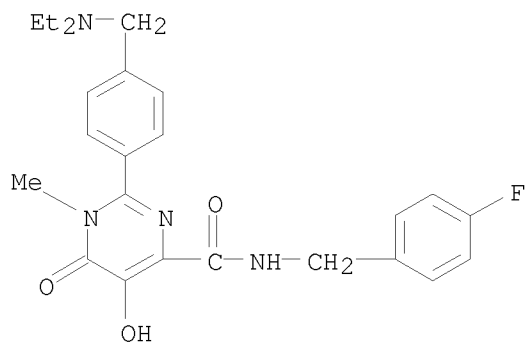


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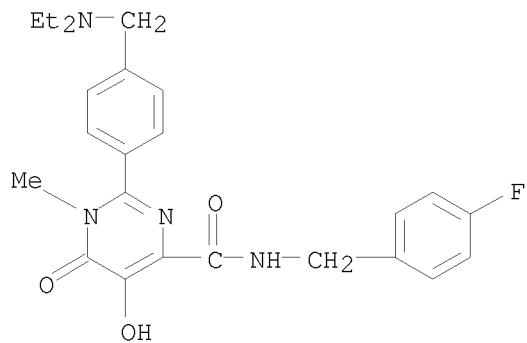


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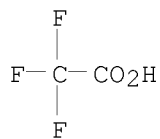




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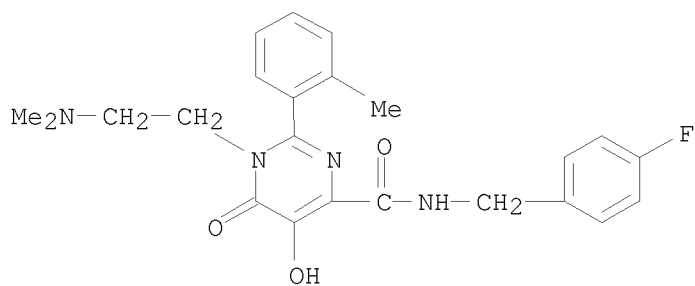
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RN 518048-54-9 CAPLUS

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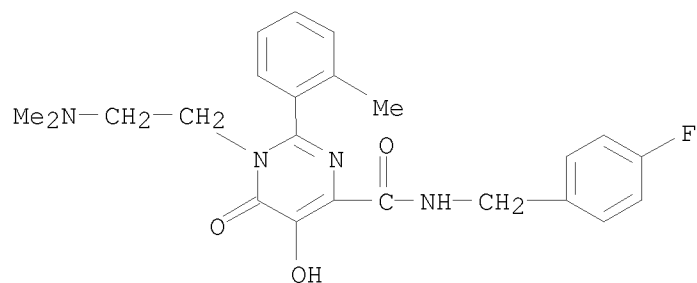
RN 518048-55-0 CAPLUS

CN 4-Pyrimidinecarboxamide, 1-[2-(dimethylamino)ethyl]-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-(2-methylphenyl)-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 518048-54-9

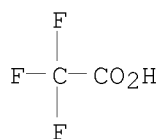
CMF C23 H25 F N4 O3



CM 2

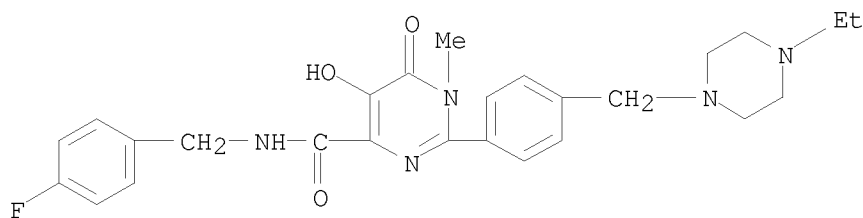
CRN 76-05-1

CMF C2 H F3 O2



RN 518048-58-3 CAPLUS

CN 4-Pyrimidinecarboxamide, 2-[4-[(4-ethyl-1-piperazinyl)methyl]phenyl]-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



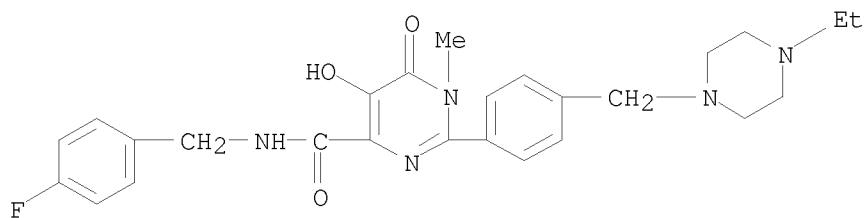
RN 518048-59-4 CAPLUS

CN 4-Pyrimidinecarboxamide, 2-[4-[(4-ethyl-1-piperazinyl)methyl]phenyl]-N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 518048-58-3

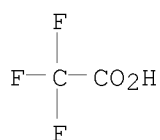
CMF C26 H30 F N5 O3



CM 2

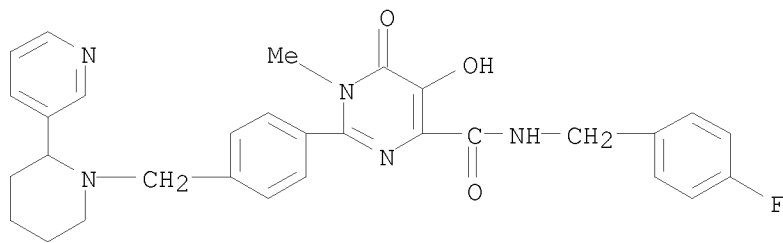
CRN 76-05-1

CMF C2 H F3 O2



RN 518048-60-7 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-[4-[[2-(3-pyridinyl)-1-piperidinyl]methyl]phenyl]- (CA INDEX NAME)



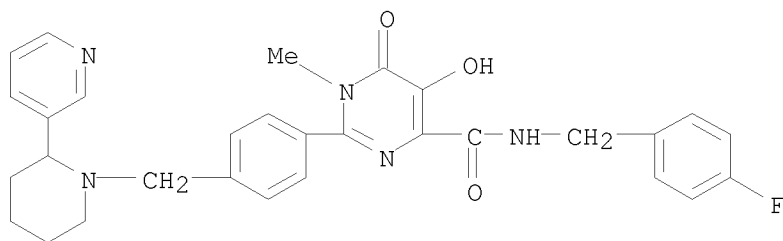
RN 518048-61-8 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-2-[4-[[2-(3-pyridinyl)-1-piperidinyl]methyl]phenyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 518048-60-7

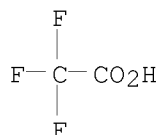
CMF C30 H30 F N5 O3



CM 2

CRN 76-05-1

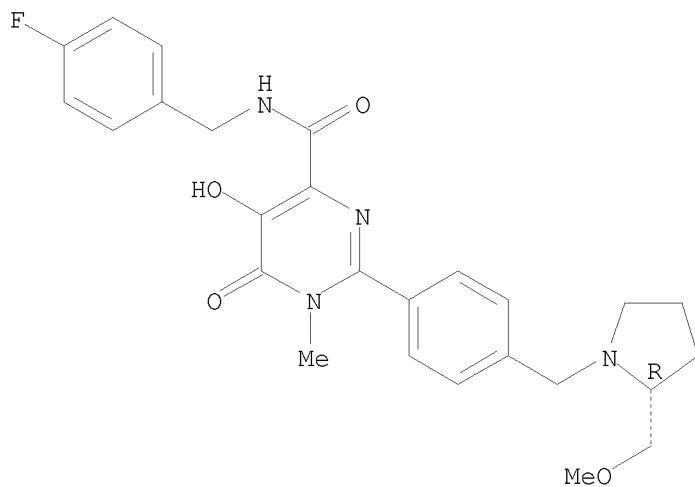
CMF C2 H F3 O2



RN 518048-67-4 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-[4-[[ (2R)-2-(methoxymethyl)-1-pyrrolidinyl]methyl]phenyl]-1-methyl-6-oxo- (CA INDEX NAME)

Absolute stereochemistry.



RN 518048-68-5 CAPLUS

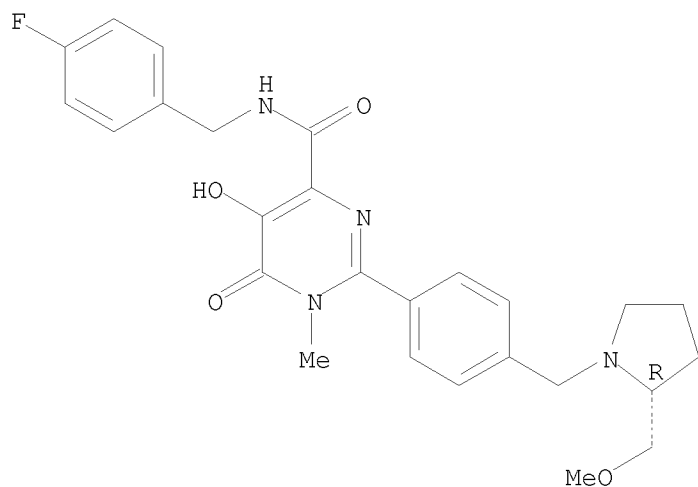
CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-[4-[[ (2R)-2-(methoxymethyl)-1-pyrrolidinyl]methyl]phenyl]-1-methyl-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 518048-67-4

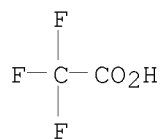
CMF C26 H29 F N4 O4

Absolute stereochemistry.



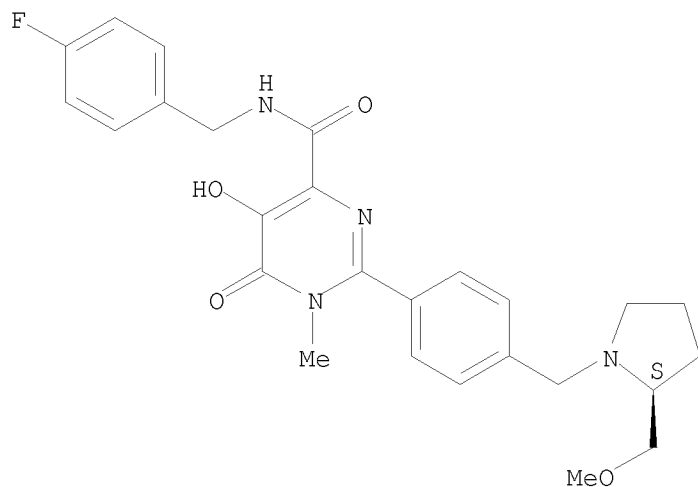
CM 2

CRN 76-05-1  
CMF C2 H F3 O2



RN 518048-69-6 CAPLUS  
CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-[4-[(2S)-2-(methoxymethyl)-1-pyrrolidinyl]methyl]phenyl]-1-methyl-6-oxo- (CA INDEX NAME)

Absolute stereochemistry.



RN 518048-70-9 CAPLUS

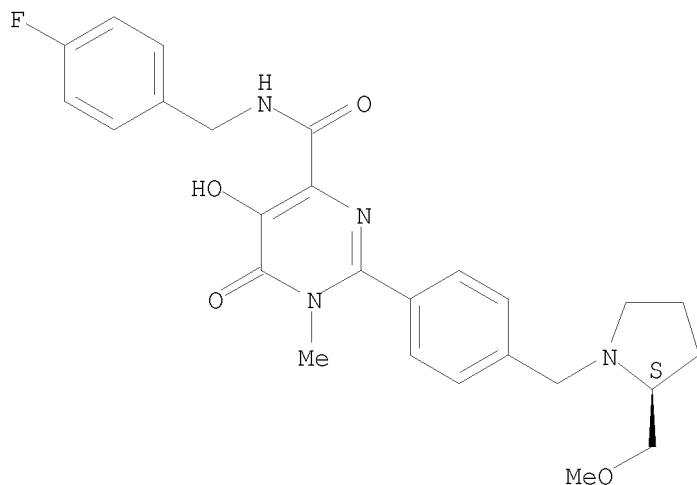
CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-2-[4-[[[(2S)-2-(methoxymethyl)-1-pyrrolidiny]methyl]phenyl]-1-methyl-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 518048-69-6

CMF C26 H29 F N4 O4

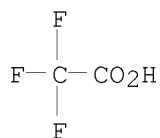
Absolute stereochemistry.



CM 2

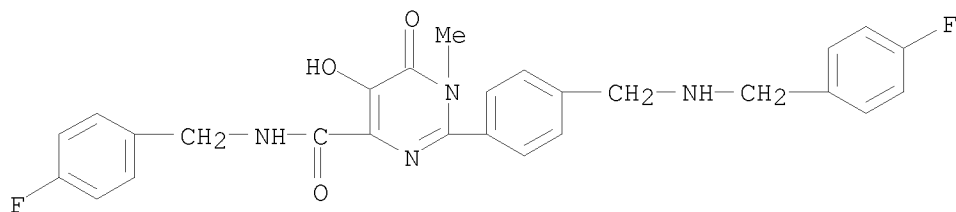
CRN 76-05-1

CMF C2 H F3 O2



RN 518048-71-0 CAPLUS

CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-2-[4-[[[(4-fluorophenyl)methyl]amino]methyl]phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo- (CA INDEX NAME)



RN 518048-72-1 CAPLUS

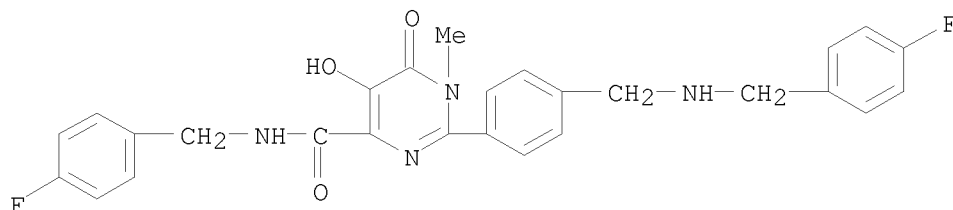
CN 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-2-[4-[[[(4-

fluorophenyl)methyl]amino[methyl]phenyl]-1,6-dihydro-5-hydroxy-1-methyl-6-oxo-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 518048-71-0

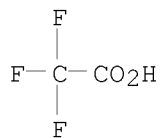
CMF C27 H24 F2 N4 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

27.73

207.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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-4.00

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